

AD-A202 720

# WATERBORNE COMMERCE OF THE UNITED STATES

*Calendar Year* 1986

PART 5  
NATIONAL SUMMARIES

DTIC  
ELECTE  
JAN 17 1989  
S D



DISTRIBUTION STATEMENT A  
Approved for public release  
Distribution Unlimited

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
WATER RESOURCES SUPPORT CENTER  
WRSC-WCUS-86-5

REPORT DOCUMENTATION PAGE				Form Approved OMB No. 0704-0188	
1a. REPORT SECURITY CLASSIFICATION			1b. RESTRICTIVE MARKINGS		
2a. SECURITY CLASSIFICATION AUTHORITY			3. DISTRIBUTION/AVAILABILITY OF REPORT		
2b. DECLASSIFICATION/DOWNGRADING SCHEDULE			Approved for public release; Distribution unlimited.		
4. PERFORMING ORGANIZATION REPORT NUMBER(S)			5. MONITORING ORGANIZATION REPORT NUMBER(S)		
6a. NAME OF PERFORMING ORGANIZATION Waterborne Commerce Statistics Center		6b. OFFICE SYMBOL (If applicable) CEWRC-NDC-CC	7a. NAME OF MONITORING ORGANIZATION Water Resources Support Center Navigation Division CEWRC-C		
6c. ADDRESS (City, State, and ZIP Code) P. O. Box 61280 New Orleans, LA 70161			7b. ADDRESS (City, State, and ZIP Code) Casey Building Fort Belvoir, VA 22060		
8a. NAME OF FUNDING/SPONSORING ORGANIZATION Office, Chief of Engineers U. S. Army		8b. OFFICE SYMBOL (If applicable) CECW	9. PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER		
8c. ADDRESS (City, State, and ZIP Code) Casimir Pulaski Building 20 Mass Ave., NW Washington, DC 20314			10. SOURCE OF FUNDING NUMBERS		
			PROGRAM ELEMENT NO.	PROJECT NO.	TASK NO.
			WORK UNIT ACCESSION NO.		
11. TITLE (Include Security Classification) Waterborne Commerce of the United States Calendar Year - 1986 Part 5, Waterways and Harbors, National Summary					
12. PERSONAL AUTHOR(S) Department of the Army; Corps of Engineers					
13a. TYPE OF REPORT Annual		13b. TIME COVERED FROM 1/1/86 TO 12/31/86		14. DATE OF REPORT (Year, Month, Day) 88 May 31	
15. PAGE COUNT 117					
16. SUPPLEMENTARY NOTATION National Technical Information Service (NTIS) 5285 Port Royal Road Available from: Springfield, VA 22161					
17. COSATI CODES			18. SUBJECT TERMS (Continue on reverse if necessary and identify by block number)		
FIELD	GROUP	SUB-GROUP	Waterborne Commerce -- Statistics		
19. ABSTRACT (Continue on reverse if necessary and identify by block number)					
Waterborne Commerce of the United States (WCUS), Part 5, Calendar Year 1986, is one of a series of 5 publications containing statistics on the commercial movement of foreign and domestic cargo. WCUS, Part 5, presents a national summary of tons and ton-miles contained in the WCUS Publications 1-4.					
20. DISTRIBUTION/AVAILABILITY OF ABSTRACT <input checked="" type="checkbox"/> UNCLASSIFIED/UNLIMITED <input type="checkbox"/> SAME AS RPT. <input type="checkbox"/> DTIC USERS			21. ABSTRACT SECURITY CLASSIFICATION Unclassified		
22a. NAME OF RESPONSIBLE INDIVIDUAL David L. Penick			22b. TELEPHONE (Include Area Code) (504) 862-1404		22c. OFFICE SYMBOL CEWRC-NDC-CC

# WATERBORNE COMMERCE OF THE UNITED STATES

## CALENDAR YEAR 1986

### PART 5

### NATIONAL SUMMARIES

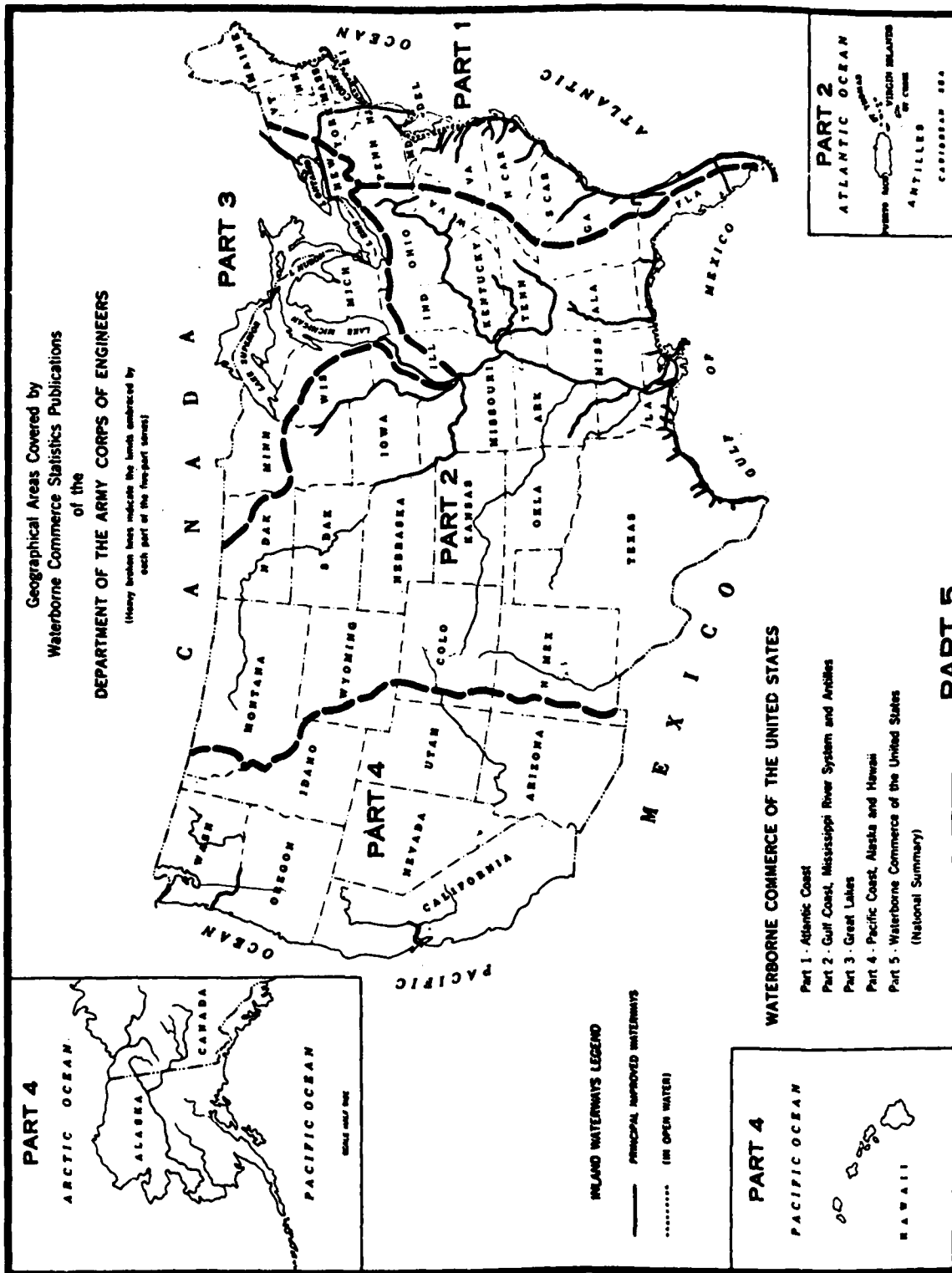
COMPILED UNDER THE SUPERVISION OF  
THE WATER RESOURCES SUPPORT CENTER  
U.S. ARMY CORPS OF ENGINEERS  
FORT BELVOIR, VIRGINIA

For sale by: 

District Engineer, U.S. Army Engineer District, New Orleans  
P.O. Box 60267, New Orleans, Louisiana 70160

Price \$2.00

Accession For	
NTIS GRA&I	<input checked="" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By 2.00-PC.	
Distribution	
Availability Codes	
Dist	Availability of Special
A-1	24



# CONTENTS

V

TABLE

PAGE

	Map of the United States showing geographical areas covered by each of the five Waterborne Commerce Statistics publications . . . . .	IV
	Introduction . . . . .	VII
	Terms for Kind of Traffic . . . . .	VII
	Commodity Classification for Domestic Waterborne Commerce . . . . .	IX
	SECTION 1. NATIONAL SUMMARIES . . . . .	1
	Summary . . . . .	3
1	Net Total Waterborne Commerce of the United States, 1947 - 1986 . . . . .	5
1A	Foreign Commerce of the United States, 1947 - 1986 . . . . .	5
1B	Domestic Commerce of the United States, 1947 - 1986 . . . . .	6
2	Summary of Foreign and Domestic Waterborne Commerce, by Type of Traffic and Commodity . . . . .	7
	Charts: Total Waterborne Commerce of the United States, 1977 - 1986 . . . .	10-11
	Chart: Principal Commodities Carried by Water: Total Commerce . . . . .	12
2A	Summary of Foreign Commerce at Coastal Ports, by Commodity . . . . .	13
2B	Summary of Foreign Commerce at Great Lakes Ports, by Commodity . . . . .	16
3	Commerce at Selected Ports Excluding Great Lakes Ports . . . . .	19
3A	Commerce at Selected Areas . . . . .	22
4	Commerce at Selected Ports on the Great Lakes . . . . .	23
5	Commerce on Selected Waterways of the United States . . . . .	24
6	Ton-mileage of Freight Carried on the Inland Waterways of the United States, by System . . . . .	26
7	Ton-mileage of Freight Carried on the Great Lakes System . . . . .	27
	Chart: Ton-miles of Freight Carried on the Waterways of the United States, 1977 - 1986 . . . . .	28
8	Comparative Statement of Traffic on the Mississippi River System, 1975-1986. . . . .	29
9	Comparative Statement of Traffic on the Mississippi River from Minneapolis, Minn., to the Mouth of Passes, 1975 - 1986 . . . . .	29
10	Domestic Barge Traffic: Commodity by Type of Traffic . . . . .	30
	SECTION 2. DOMESTIC INLAND TRAFFIC - AREAS OF ORIGIN AND DESTINATION OF PRINCIPAL COMMODITIES . . . . .	33
	Note: The commodities reported in the following tables are identified by code numbers in each column heading; more complete descriptions of the commodities are given in Table 2 of Section 1.	
1	Domestic Inland Movements of Grains, Soybeans, Sugar and Molasses . . . . .	35
2	Domestic Inland Movements of Logs and Lumber . . . . .	41
3	Domestic Inland Movements of Bituminous Coal and Lignite . . . . .	44
4	Domestic Inland Movements of Petroleum and Petroleum Products . . . . .	48
5	Domestic Inland Movements of Iron and Steel . . . . .	67
6	Domestic Inland Movements of Chemicals and Related Products . . . . .	74
	SECTION 3. WATER CARRIAGE TON-MILES . . . . .	87
1	Total Commerce: Ton-miles and Tons by Type of Traffic and Average Haul, 1977 - 1986 . . . . .	89
2	Domestic Ton-miles: Type of Traffic by Service . . . . .	89
	Charts: Ton-miles and Average Haul by Type of Traffic, 1977 - 1986 . . . .	90-91
	Chart 2: Domestic Ton-miles by Type of Service . . . . .	92
	Chart 3: Domestic Ton-miles by Type of Service, by Type of Traffic . . . . .	92
3	Domestic Traffic: Tons and Ton-miles of Principal Commodity Groups by Type of Traffic and Service . . . . .	93
4	Domestic Ton-miles: Commodity by Service . . . . .	94
5	Domestic Ton-miles: Commodity by Type of Traffic . . . . .	97
6	Regulated Ton-miles: Commodity by Type of Traffic . . . . .	100
7	Exempt, for Hire Ton-Miles: Commodity by Type of Traffic . . . . .	103
8	Private Carriage Ton-miles: Commodity by Type of Traffic . . . . .	106

## INTRODUCTION

VII

This publication is one of a series containing statistics on the waterborne commerce of the United States during the calendar year 1986. Four of these publications present detailed data on the movements of commodities and vessels at the ports and harbors and on the waterways and canals of the United States, the Commonwealth of Puerto Rico, and the Virgin Islands, and the fifth contains summary data of the country as a whole. The numbers of the publications and the areas covered are:

- This document, ~~part~~ part 5, covers*
- Part 1. Atlantic Coast
  - Part 2. Gulf Coast, Mississippi River System, and Antilles
  - Part 3. Great Lakes
  - Part 4. Pacific Coast, Alaska, and Hawaii
  - Part 5. Waterborne Commerce of the United States (National Summaries).

Both the foreign and domestic commerce moved on the United States waters are included. Data on the foreign commerce were supplied to the Corps of Engineers by the Bureau of the Census; data for the compilation of the domestic statistics were collected by the several offices of the Corps of Engineers, Department of the Army, in compliance with various acts of Congress. The principal provision governing the collection of these data is included in the Rivers and Harbors Act of September 22, 1912:

Section 11. That owners, agents, masters, and clerks of vessels and other craft plying upon the navigable waters of the United States, and all individuals and corporations engaged in transporting their own goods upon the navigable waters of the United States, shall furnish such statements relative to vessels, passengers, freight and tonnage as may be required by the Secretary of War: Provided, that this provision shall not apply to those rafting logs, except upon a direct request upon the owner to furnish specific information.

That every person or persons offending against the provisions of this section shall, for each and every offense, be liable to a fine of \$100 or imprisonment not exceeding two months, to be enforced in any district court in the United States within whose territorial jurisdiction such offense may have been committed.

While the information as now collected and compiled is designed to meet the administrative requirements of the Department of the Army in connection with the duties assigned by Congress, it also provides useful data for other governmental departments, commercial and shipping concerns, and others interested in transportation.

Waterborne traffic movements were reported to the Corps of Engineers by all vessel operators of record on prescribed forms approved by the Office of Management and Budget under the Federal Reports Act of 1942 for those movements of their vessels which were classified as domestic traffic; namely, between United States ports, continental and noncontiguous, and on the island rivers, canals, and connecting channels of the United States, Puerto Rico, and the Virgin Islands, excluding the Panama Canal. The reports were generally submitted on the basis of a vessel movement completed in one direction and, for movements with cargo, the origin and destination of the water transportation of each individual commodity. In compiling the data, the entire movement was included in the year in which the movement was completed even though the shipment may have originated in the preceding year, except that, beginning with calendar year 1961 statistics, a cutoff date of 28 February was established for the processing of reports from vessel operators covering the prior year's completed movements. Hence, reports of movements completed in 1986 but not reported to the Corps of Engineers until after 28 February 1987 will be included in the next year's, 1987, statistics rather than in this publication, while reports of movements completed in 1985 but reported to the Corps after 28 February 1986 are included in this publication.

Sponsored by the Office of Statistical Policy, Office of Management and Budget, a uniform system of classification for freight was developed with cooperation of all Federal agencies engaged in collecting and compiling data on shipping. This classification, the Commodity Classification for Domestic Waterborne Commerce, is used for data on the foreign and domestic commerce presented in these publications, although some minor modifications exist in the foreign data which were necessitated by Bureau of the Census policies and procedures.

The domestic traffic includes all commercial movements between points in the United States, Puerto Rico, and the Virgin Islands. Traffic with the Panama Canal Zone is treated as foreign commerce. Cargo moved for the military agencies in commercial vessels is reported as ordinary commercial cargo; military cargo moved in Department of Defense vessels is omitted from these statistics.

All movements between the United States and foreign countries and between Puerto Rico and Virgin Islands, U.S.A., and foreign countries are classified as foreign traffic. Trade between United States territories and possessions, i.e. Guam, Wake, American Samoa, etc., and foreign countries is excluded.

These data are furnished to the Corps of Engineers by the Bureau of the Census under a working arrangement sponsored by the Office of Statistical Policy, Office of Management and Budget. The data are confined to movements by water, and are reconcilable with published reports of the Bureau of the Census. Shipments of domestic merchandise and re-exports of foreign merchandise are termed exports. The imports include inbound merchandise for direct consumption and entries into custom bonded storage and manufacturing warehouses. Intransit merchandise, defined by the Bureau of the Census as merchandise coming into the United States from a foreign country and shipped to a foreign country without having been entered as an import, is treated as an import when unloaded from a vessel and as an export when loaded on a vessel. Export shipments for use of the United States Armed Forces abroad are excluded from the statistics as are import shipments on Department of Defense owned and operated vessels. Foreign trade data of territories and possessions other than Puerto Rico and the Virgin Islands, which are under the jurisdiction of the Department of the Interior, were not furnished to the Corps of Engineers by the Bureau of the Census and are excluded from the statistics of both agencies.

Report shipments under the various foreign aid programs on Department of Defense operated vessels, either American Flag commercial vessels under time, voyage, or space charter or vessels owned and operated by the Department of Defense, and various items (listed by the Census) which affect national security are not published in terms of the individual commodities shipped. Instead, a lump-sum tonnage figure is compiled and appears in these tables as commodity code 9999, "Department of Defense Controlled Cargo and Special Category Items."

The 1986 statistics on waterborne exports of domestic and foreign merchandise and non-Department of Defense shipments of Special Category commodities reflect fully compiled data for shipments to Canada individually valued at \$2,000 and over combined with estimated data for shipments valued \$251-\$1,999, based on a 10-percent sample of such shipments. For countries other than Canada, the export statistics reflect fully compiled data for shipments valued \$1,000 and over combined with estimated data for shipments valued \$251-\$999, based on a 50-percent sample of such shipments. Data on export shipments valued under \$251 are excluded from this report.

Import statistics for 1986 exclude data on shipments valued \$250 and under reported on both formal and informal entries. Informal entries generally contain items valued not more than \$250.

Foreign trade data furnished by Census are based on reports processed for Census' monthly data January through December and represent statistical year rather than calendar year data.

Combination of the net domestic traffic (originating commodity movements) with the foreign traffic (imports and exports) provides the net total tons of the waterborne commerce of the United States. In summarizing the domestic commerce to obtain the net loading of rail cars moved on car-ferries; cargo on general ferries; Government materials moved by water in connection with waterway improvements and maintenance; and coal and petroleum products loaded from shore facilities directly into bunkers of vessels for fuel were excluded. (There are certain, so-called car-ferry operations which are not considered in the ferry category; rail-car carriers on the Great Lakes which operate under Part III of the Interstate Commerce Act; and rail-car carriers between points in the contiguous 48 States or in Canada on the one hand and Alaska on the other.)

For Parts 1 through 4, and Section 1 of Part 5, ton-mileage data are computed by the Corps of Engineers to reflect movements on rivers, island waterways, and waters of the Great Lakes System only. Cargoes of deep-sea vessels - both in the foreign and domestic trades - are included only for that portion of the voyage that occurred on inland rivers, canals, or connecting channels. Thus, for a movement of commodities from Boston, Massachusetts, to New Orleans, Louisiana, ton-miles are computed for the haul on the Cape Cod Canal - if this canal was transited during the trip - and for the haul on the Mississippi River, the carriage on the ocean and Gulf of Mexico is not taken into account. In Section 3 of Part 5, ton-mileage data are based on the entire haul for the domestic traffic.

### TERMS FOR KIND OF TRAFFIC

**Imports and exports.** These terms apply to traffic between the United States and Foreign ports, including the Canal Zone. Traffic of U.S. Great Lakes ports with Canada is supplemented by the term "Canadian" to differentiate it from overseas traffic.

**Coastwise receipts and shipments.** These terms apply to domestic traffic receiving a carriage over the ocean, or the Gulf of Mexico, e.g. New Orleans to Baltimore, New York to Puerto Rico, San Francisco to Hawaii, Puerto Rico to Hawaii. Traffic between Great Lakes ports and seacoast ports, when having a carriage over the ocean, is also termed "coastwise." The Chesapeake Bay and Puget Sound are considered internal bodies of water rather than arms of the ocean and therefore, traffic confined to these areas is "internal" rather than "coastwise."

Lakewise receipts and shipments. These terms apply to traffic between United States ports on the Great Lakes System. The Great Lakes System is treated as a separate system rather than as a part of the inland system.

Internal receipts and shipments. These terms apply to traffic between ports or landings wherein the entire movement takes place on inland waterways. Also termed internal are movements involving carriage on both inland waterways and waters of the Great Lakes; inland movements that cross short stretches of open waters which link inland systems; marine products, sand and gravel taken directly from beds of the oceans, the Gulf of Mexico and important arms thereof; and movements between offshore installations and inland waterways.

Local. Movements of freight within the confines of a port whether the port has only one or several arms or channels, except car-ferry and general ferry, are termed "local." The term is also applied to marine products, sand, and gravel taken directly from the Great Lakes.

Insular territory receipts and shipments. These terms apply to traffic between ports in Puerto Rico and the Virgin Islands, U.S.A. which are considered as a single unit.

SECTION 2 of this publication presents on an area-to-area basis the tonnages of principal commodities transported by vessels in the domestic inland waterway trade of the United States. For each commodity, the total for the United States (total of all shipping areas), the total shipped from each shipping area, and the total from each shipping area to each receiving area (destination) are shown in the tables. The origin and destination areas are defined in terms of waterways, incorporating minor tributaries, and in some instances, major ports, which are not susceptible to inclusion in a single waterway. The area designations are designed to avoid disclosure of individual company operations.

These data cover those movements confined to the inland waterways and between the inland waterways and United States ports on the Great Lakes, they combine the totals of internal and local types of traffic as defined above. Collectively, the selected commodities included account for 75.7 percent of the total domestic inland traffic.

SECTION 3 presents the performance of the water carrier industry in terms of ton-miles on a type of service basis and provides detailed data on types of traffic and commodities transported in the domestic trades, also in terms of ton-miles during 1986. Water carriage ton-miles were first compiled and published for 1962. However, somewhat comparable data were released for 1961. The 1961 compilations were made on a carrier (ICC regulated and exempt) basis rather than by type of service; regulated carriers may engage in more than one type of service.

Preparation and publication of these data were sponsored by the Office of Statistical Policy, Office of Management and Budget, in response to numerous requests received from congressional, federal and private agencies.

Ton-miles were computed by the Corps of Engineers based on origin/destination of commodity tonnages reported by vessel operators on Office of Management and Budget approved EGC Form 3925 and related forms; these forms were submitted to the Corps for the compilation of port and waterway statistics published in Parts 1 to 5 of "Waterborne Commerce of the United States." Distance factors used are in statute miles and, for the Coastwise trade, represent mileage on the shortest route that safe navigation permits between ports of origin and destination. The factors for this trade were developed from United States Coast and Geodetic Surveys, "Distance Between United States Ports," and United States Navy Hydrographic Offices, "Table of Distances Between Ports." For rivers and inland waterways, distance factors were developed from waterway survey maps and records of the Corps of Engineers and are based on the actual routes reported by vessel operators on the reporting forms.

Type of service (carriage) is based on information supplied by vessel operators on the reporting forms, which were modified for the 1962 statistics to obtain this information. Categories of service are: (1) Regulated, which is common and contract carriage subject to economic regulation by the Interstate Commerce Commission. (2) Exempt, for hire, carriage which is exempt from regulation by the Commission because of specific provisions in Part III, Interstate Commerce Act. (3) Private, which represents the movement of the property of the water carrier in the vessels it operates; this category is also exempt from regulation by the Commission.

The commodities are listed in terms of the Commodity Classification for Domestic Waterborne Commerce used in all 5 parts of the Corps of Engineers' annual publication, "Waterborne Commerce of the United States." Types of traffic are also the same as those reported and defined above. Both traffic and commodity ton-miles in this section bear a direct relationship to the corresponding tonnages reported in Table 2 of Section 1, consequently, the ton-mile data herein are based on the same February 28 cutoff date used in the compilation of the tonnage data.

Total ton-miles for all types of traffic shown in Table 1 of this section are considerably higher than the total shown in Table 1 of Section 1. The difference is entirely in Coastwise traffic, since the total distance, both inland and ocean, was used in developing data presented in this section, whereas only the inland portion is included in tables comprising Section 1. Both of these tables include ton-miles for the foreign trade of the U.S. in U.S. flag as well as foreign flag vessels; however, the computation is limited to the distance transported on the Great Lakes between the head of the Lakes at Duluth/Superior and the international boundary at St. Regis, Quebec, Canada, and on the inland waterways of the U.S. and the entrance channels to U.S. coastal ports; this foreign traffic is not subject to economic regulation by the Interstate Commerce Commission.

All totals of both columns and rows, all averages, and all percentages are based on figures before rounding to thousands. Hence, slight differences appear between the totals shown in the sum of the rounded figures in columns and rows, in the percentages, and in the average hauls when compared with the quotients derived by dividing the ton-miles by the rounded or unrounded tons shown in either this section or in Section 1.

## COMMODITY CLASSIFICATION FOR DOMESTIC WATERBORNE COMMERCE

NOTE: The commodity descriptions used in the statistical tables in this publication are abbreviated to conserve printing space of the following commodities:

Code No.	Item Name	Code No.	Item Name
Group 01-Farm Products		Group 20-Food and Kindred Products	
0101	Cotton, raw	2034	Vegetables and preparations, canned and otherwise prepared and preserved
0102	Barley and rye	2039	Fruits, and fruit and vegetable juices, canned and otherwise prepared or preserved
0103	Corn	2041	Wheat flour and semolina
0104	Oats	2042	Animal feeds
0105	Rice	2049	Grain mill products, not elsewhere classified
0106	Sorghum Grains	2061	Sugar
0107	Wheat	2062	Molasses
0111	Soybeans	2081	Alcoholic beverages
0112	Flaxseed	2091	Vegetable oils, all grades; margarine and shortening
0119	Oilseeds, not elsewhere classified	2092	Animal oils and fats, not elsewhere classified, including marine
0121	Tobacco, leaf	2094	Coccolites
0122	Hay and fodder	2095	Ice
0129	Field crops, not elsewhere classified	2099	Miscellaneous food products
0131	Fresh fruits		
0132	Bananas and plantains	Group 21-Tobacco Products	
0133	Coffee, green and roasted (including instant)	2111	Tobacco manufactures
0134	Cocoa beans	Group 22-Basic Textiles	
0141	Fresh and frozen vegetables	2211	Basic textile products, except textile fibers
0151	Live animals (livestock) except swine, animals, cats, dogs, etc.	2212	Textile fibers not elsewhere classified
0161	Animals and animal products, not elsewhere classified	Group 23-Apparel and Other Finished Textile Products Including Knit	
0191	Miscellaneous farm products	2311	Apparel and other finished textile products, including knit
Group 08-Forest Products		Group 24-Lumber and Wood Products Except Furniture	
0841	Crude rubber and allied gums	2411	Logs
0861	Forest products, not elsewhere classified	2412	Rafted logs
Group 09-Fresh Fish and Other Marine Products		2413	Fuel wood, charcoal, and wastes
0911	Fresh fish, except shellfish	2414	Timber, posts, poles, piling, and other wood in the rough
0912	Shellfish, except prepared or preserved	2415	Pulpwood, log
0913	Menhaden	2416	Wood chips, staves, moldings, and excelsior
0931	Marine shells, unmanufactured	2421	Lumber
Group 10-Metallic Ores		2431	Veneer, plywood, and other worked wood
1011	Iron ore and concentrates	2491	Wood manufactures, not elsewhere classified
1021	Copper ore and concentrates	Group 25-Furniture and Fixtures	
1051	Bauxite and other aluminum ores and concentrates	2511	Furniture and fixtures
1061	Manganese ores and concentrates	Group 26-Pulp, Paper and Allied Products	
1091	Nonferrous metal ores and concentrates, not elsewhere classified	2611	Pulp
Group 11-Coal		2621	Standard newsprint paper
1121	Coal and lignite	2631	Paper and paperboard
Group 13-Crude Petroleum		2691	Pulp, paper and paperboard products, not elsewhere classified
1311	Crude petroleum	Group 27-Printed Matter	
Group 14-Nonmetallic Minerals, Except Fuels		2711	Printed matter
1411	Limestone flux and calcareous stone	Group 28-Chemicals and Allied Products	
1412	Building stone, unworked	2810	Sodium hydroxide (caustic soda)
1442	Sand, gravel and crushed rock	2811	Crude products from coal tar, petroleum, and natural gas, except benzene and toluene
1451	Clay, ceramic and refractory materials	2812	Dyes, organic pigment, dyeing and tanning materials
1471	Phosphate rock	2813	Alcohols
1479	Natural fertilizer materials, not elsewhere classified	2816	Radioactive and associated materials, including wastes
1491	Salt	2817	Benzene and toluene, crude and commercially pure
1492	Sulphur, dry	2818	Sulphuric acid
1493	Sulphur, liquid	2819	Basic chemicals and basic chemical products, not elsewhere classified
1494	Gypsum, crude and plasters	2821	Plastic materials, regenerated cellulose and synthetic resins, including film, sheeting, and laminates
1499	Nonmetallic minerals, except fuels, not elsewhere classified	2822	Synthetic rubber
Group 19-Ordinance and Accessories		2823	Synthetic (man-made) fiber
1911	Ordinance and accessories	2831	Drugs (biological products, medicinal chemicals, botanical products and pharmaceutical preparations)
Group 20-Food and Kindred Products		2841	Soap, detergents, and cleaning preparations; perfumes, cosmetics, and other toilet preparations
2011	Meat, fresh, chilled, or frozen	2851	Paints, varnishes, lacquers, enamels, and allied products
2012	Meat and meat products prepared or preserved, including canned meat products	2861	Gum and wood chemicals
2014	Tallow, animal fats and oils	2871	Nitrogenous chemical fertilizers, except mixtures
2015	Animal by-products, not elsewhere classified	2872	Potassic chemical fertilizers, except mixtures
2021	Dairy products, except dried milk and cream	2873	Phosphatic chemical fertilizers, except mixtures
2022	Dried milk and cream		
2031	Fish and fish products, including shellfish, prepared or preserved		



X

# Waterborne Commerce of the United States, 1986

Code No.	Item Name	Code No.	Item Name
Group 28-Chemicals and Allied Products		Group 34-Fabricated Metal Products, Except Ordnance, Machinery and Transportation Equipment	
2876	Insecticides, fungicides, pesticides, and disinfectants	3411	Fabricated metal products, except ordnance, machinery, and transportation equipment
2879	Fertilizers and fertilizer materials, not elsewhere classified		
2891	Miscellaneous chemical products		
Group 29-Petroleum and Coal Products		Group 35-Machinery, Except Electrical	
2911	Gasoline, including natural gasoline	3511	Machinery, except electrical
2912	Jet fuel		
2913	Kerosene	Group 36-Electrical Machinery, Equipment and Supplies	
2914	Distillate fuel oil	3611	Electrical machinery equipment and supplies
2915	Residual fuel oil		
2916	Lubricating oils and greases		
2917	Naphtha, mineral spirits, solvents, not elsewhere classified	Group 37-Transportation Equipment	
2918	Asphalt, tar, and pitches	3711	Motor vehicles, parts and equipment
2920	Coke, including petroleum coke	3721	Aircraft and parts
2921	Liquefied petroleum gases, coal gases, natural gas, and natural gas liquids	3731	Ships and boats
2951	Asphalt building materials	3791	Miscellaneous transportation equipment
2991	Petroleum and coal products, not elsewhere classified	Group 38-Instruments, Photographic and Optical Goods, Watches and Clocks	
Group 30-Rubber and Miscellaneous Plastic Products		3811	Instruments, photographic and optical goods, watches and clocks
3011	Rubber and miscellaneous plastic products	Group 39-Miscellaneous Products of Manufacturing	
Group 31-Leather and Leather Products		3911	Miscellaneous products of manufacturing
3111	Leather and leather products		
Group 32-Stone, Clay, Glass and Concrete Products		Group 40-Waste and Scrap Materials	
3211	Glass and glass products	4011	Iron and steel scrap
3241	Building cement	4012	Nonferrous metal scrap
3251	Structural clay products, including refractories	4022	Textile waste, scrap, and sweepings
3271	Lime	4024	Paper waste and scrap
3281	Cut stone and stone products	4029	Waste and scrap, not elsewhere classified
3291	Miscellaneous nonmetallic mineral products	Group 41-Special Items	
Group 33-Primary Metal Products		4111	Water
3311	Pig iron	4112	Miscellaneous shipments not identifiable by commodity
3312	Slag	4113	LCL freight
3313	Coke (coal and petroleum), petroleum pitches and asphalts, and naphtha and solvents	4118	Materials used in waterway improvement, Government materials
3314	Iron and steel ingots, and other primary forms, including blanks for tube and pipe, and sponge iron	4119	Empty containers
3315	Iron and steel bars, rods, angles, shapes and sections, including sheet piling	9999*	Department of Defense controlled cargo and special category items
3316	Iron and steel plates and sheets	*Cargoes exported on Department of Defense controlled vessels (other than goods for the use of U.S. Armed Forces abroad) and non-Department of Defense shipments of military component items (abbreviated SCI) for which commodity detail is not furnished to the Corps of Engineers.	
3317	Iron and steel pipe and tube		
3318	Ferroalloys		
3319	Primary iron and steel products, not elsewhere classified including castings in the rough		
3321	Nonferrous metals primary smelter product, basic shapes, wire castings and forgings, except copper, lead, zinc and aluminum		
3322	Copper and copper alloys, whether or not refined, unworked		
3323	Lead and zinc including alloys, unworked		
3324	Aluminum and aluminum alloys, unworked		

---

---

**Section I**  
**NATIONAL SUMMARIES**

---

---

# SUMMARY

3

<u>CATEGORY</u>	<u>1985</u>	<u>1986</u>	<u>Units</u>	<u>% Change</u>
GRAND TOTAL Tons	1788.4	1874.4	10 <sup>6</sup> tons	+4.8
TOTAL Domestic	1014.1	1037.2	10 <sup>6</sup> tons	+2.3
Domestic Coastwise	309.8	308.0	10 <sup>6</sup> tons	-0.6
Domestic Lakewise	92.0	87.4	10 <sup>6</sup> tons	-5.0 <u>1/</u>
Domestic Internal	534.7	560.5 <u>2/</u>	10 <sup>6</sup> tons	+4.8
Domestic Local	74.3	77.4	10 <sup>6</sup> tons	+4.2
Domestic Intraterritory	3.4	4.0	10 <sup>6</sup> tons	+16.4
TOTAL Foreign	774.3	837.2	10 <sup>6</sup> tons	+8.1
Imports	412.7	486.1	10 <sup>6</sup> tons	+17.8 <u>3/</u>
Exports	361.6	351.2	10 <sup>6</sup> tons	-2.9 <u>4/</u>
GRAND TOTAL Ton-Miles	964.9	945.0	10 <sup>9</sup> ton-miles	-2.1
Inland Waterway Ton-Miles				
Total	381.7	392.6	10 <sup>9</sup> ton-miles	+2.9
Atlantic Coast Waterways	24.8	25.7	10 <sup>9</sup> ton-miles	+4.4
Gulf Coast Waterways	36.5	39.0	10 <sup>9</sup> ton-miles	+6.8
Pacific Coast Waterways	19.9	20.8	10 <sup>9</sup> ton-miles	+4.5
Mississippi River System	224.7	239.3	10 <sup>9</sup> ton-miles	+6.5
Great Lakes System	75.8	67.9	10 <sup>9</sup> ton-miles	-10.4

1/ Iron ore decreased 5.8 million tons.

2/ All-time record high (coal increased 16 million tons, crude and petroleum products increased 10 million tons).

3/ Crude oil imports increased 53.7 million tons.  
Other petroleum product imports increased 17.6 million tons.

4/ Corn exports decreased 18.4 million tons.

## SUMMARY OF BARGE TRAFFIC TONNAGE (1,000,000)

<u>Traffic</u>	<u>1985</u>	<u>1986</u>	<u>% Change</u>
Coastwise	90.5	87.4	-3.4
Lakewise	3.7	4.2	+13.5
Internal	502.7	532.1	+5.8
Local	66.6	69.5	+4.4
Intraterritory	3.2	3.8	+18.8
TOTAL	666.7	697.2	+4.6

PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1986  
(TONNAGE \* 1,000,000)

	Total Commerce Foreign & Domestic		Foreign Commerce		Domestic Commerce	
	<u>1986 Tonnage</u>	<u>% Change</u>	<u>1986 Tonnage</u>	<u>% Change</u>	<u>1986 Tonnage</u>	<u>% Change</u>
Petroleum and products	792.4	+12.1	330.6	+28.1	461.8	+3.0
Coal and coke	307.0	+4.6	105.3	-3.2	201.7	+9.1
Iron ore, iron and steel	105.8	-6.0	52.6	-2.0	53.2	-9.5
Sand, gravel and stone	93.5	+2.3	8.3	+10.7	85.2	+1.5
Grains	101.1	-21.6	65.4	-22.8	35.7	-19.2
Logs and Lumber	51.5	+8.4	28.7	+0.7	22.8	+20.0
Chemicals	129.1	+1.5	63.4	-3.2	65.7	+6.5
All other commodities	294.0	+4.7	182.9	+9.2	111.1	-1.9
TOTAL TONNAGE	1,874.4	+4.8	837.2	+8.1	1,037.2	+2.3

Commodity codes included in each group are given below:

Petroleum and Products - 1311, 2911-2918, 2921 & 2991.

Coal and Coke - 1121, 3313 & 2920.

Iron Ore, Iron and Steel - 1011, 3311, 3314-3317, 3319 & 4011.

Sand, Gravel and Stone - 1411, 1412, 1442 & 3281.

Grains - 0102-0107.

Logs and Lumber - 0861, 2411-2416, 2421, 2431 & 2491.

Chemicals - 1471, 1479, 2810-2813, 2816-2819, 2821, 2831, 2841, 2851, 2861, 2871-2873, 2876, 2879 & 2891.

All other commodities - All other codes.

# NATIONAL SUMMARIES

5

TABLE 1--NET TOTAL WATERBORNE COMMERCE OF THE UNITED STATES, CALENDAR YEARS 1947-1986  
(IN TONS OF 2,000 POUNDS)

YEAR	FOREIGN AND DOMESTIC, TOTAL	FOREIGN TOTAL	DOMESTIC TOTAL
1947	766,616,730	188,256,118	578,360,612
1948	793,200,865	162,971,591	630,229,274
1949	740,720,971	165,358,281	575,362,690
1950	820,503,571	169,224,695	651,278,876
1951	924,120,411	232,855,832	691,264,579
1952	887,721,984	227,326,277	660,395,707
1953	923,547,693	217,396,489	706,151,204
1954	867,440,207	213,844,290	653,595,917
1955	1,016,135,785	271,102,932	745,032,853
1956	1,092,912,924	326,689,789	766,223,135
1957	1,131,401,434	358,539,550	772,861,884
1958	1,004,515,776	308,859,798	695,655,978
1959	1,052,462,102	325,669,939	726,792,163
1960	1,099,850,431	339,277,275	760,573,156
1961	1,062,155,182	329,329,816	732,825,366
1962	1,129,404,375	358,599,030	770,805,345
1963	1,173,766,964	385,658,999	788,107,965
1964	1,236,093,573	421,925,131	814,168,442
1965	1,272,896,243	463,726,009	809,170,234
1966	1,334,116,078	471,391,083	862,724,995
1967	1,336,606,076	465,972,238	870,633,838
1968	1,395,839,450	507,958,002	887,881,448
1969	1,448,711,541	521,312,262	927,399,279
1970	1,531,406,507	580,969,133	950,437,374
1971	1,512,563,690	565,985,584	946,578,106
1972	1,616,792,605	629,980,884	986,811,721
1973	1,761,552,010	767,393,993	994,158,017
1974	1,746,788,544	764,088,905	982,699,639
1975	1,695,034,366	748,707,407	946,326,959
1976	1,638,006,819	695,963,909	942,042,910
1977	1,908,223,619	938,256,819	970,000,000
1978	2,021,349,754	946,057,699	1,075,292,055
1979	2,073,757,628	993,444,963	1,080,312,665
1980	1,998,887,402	921,484,000	1,077,403,402
1981	1,941,558,947	897,162,150	1,044,396,797
1982	1,776,740,379	819,730,983	957,009,396
1983	1,707,661,811	791,140,194	916,521,617
1984	1,836,020,619	803,338,133	1,032,682,486
1985	1,788,434,822	774,323,283	1,014,111,539
1986	1,874,416,280	837,223,503	1,037,192,777

TABLE 1A--FOREIGN COMMERCE OF THE UNITED STATES, CALENDAR YEARS 1947-1986  
(IN TONS OF 2,000 POUNDS)

YEAR	IMPORTS				EXPORTS				
	TOTAL	COASTAL PORTS	GREAT LAKES PORTS		TOTAL	COASTAL PORTS	GREAT LAKES PORTS		
			CANADIAN	OVERSEAS			CANADIAN	OVERSEAS	OTHERS
1947	62,162,169	57,365,892	4,773,223	23,054	126,093,946	101,995,508	24,058,718	43,720	.....
1948	72,297,097	68,077,704	4,172,628	46,765	90,674,494	65,403,800	25,227,288	43,406	.....
1949	81,992,016	77,153,266	4,774,784	63,966	83,366,265	65,739,775	17,552,872	73,618	.....
1950	101,981,918	96,299,288	5,555,427	127,203	67,242,777	43,640,100	23,498,355	84,874	19,488
1951	108,747,297	101,812,769	6,827,294	107,234	123,368,535	97,602,937	25,573,510	103,667	28,413
1952	115,961,025	108,674,301	7,152,087	134,637	111,365,252	85,072,313	26,129,081	114,679	49,179
1953	127,981,407	120,594,892	7,056,629	329,886	89,415,082	63,780,288	25,415,354	160,663	58,777
1954	129,423,809	123,503,218	5,748,884	171,707	84,420,481	65,243,997	18,928,696	209,587	36,201
1955	152,956,947	144,276,212	6,434,125	246,610	118,145,985	95,404,261	22,399,779	288,371	53,574
1956	174,214,360	163,348,893	10,572,643	292,824	152,475,429	126,446,189	25,710,863	281,334	35,043
1957	186,351,843	176,235,956	9,685,526	230,361	172,187,707	146,889,737	24,983,574	288,273	26,123
1958	189,484,551	181,480,343	7,656,590	347,618	119,366,247	101,554,806	17,429,825	360,159	21,457
1959	213,465,323	198,607,603	13,794,435	1,083,285	112,184,616	91,629,487	17,700,427	2,633,110	21,584
1960	211,316,497	198,465,746	11,973,635	877,116	127,960,778	104,810,455	19,168,514	3,981,809	.....
1961	200,165,652	188,179,228	11,007,197	979,227	129,164,166	105,959,031	18,801,857	4,003,276	.....
1962	222,689,941	207,040,920	14,487,847	1,161,174	135,909,089	110,492,248	20,484,561	4,932,260	.....
1963	227,375,671	209,369,531	16,495,342	1,510,798	158,283,328	129,781,571	24,455,139	4,046,618	.....
1964	246,585,715	224,433,206	22,118,397	2,034,112	173,339,418	142,874,452	24,866,892	5,598,074	.....
1965	269,834,819	244,874,087	21,059,701	3,901,031	173,891,990	142,121,011	25,692,770	6,078,209	.....
1966	283,847,300	257,173,478	22,585,271	4,088,551	187,543,783	155,759,371	24,905,662	6,078,750	.....
1967	275,965,191	248,245,275	23,269,404	4,450,512	190,007,047	162,843,124	21,896,595	5,667,328	.....
1968	310,936,331	278,826,933	25,658,847	6,450,551	197,013,671	166,579,491	24,444,154	5,989,826	.....
1969	320,293,084	295,647,991	19,770,247	4,874,846	201,019,278	168,944,251	25,235,730	6,639,294	.....
1970	339,339,772	312,933,543	21,620,193	4,585,996	241,629,361	205,697,712	29,146,465	6,185,184	.....
1971	359,745,440	333,776,713	19,104,708	6,864,419	206,239,744	172,758,807	24,757,317	6,723,620	.....
1972	397,565,612	372,417,770	18,861,084	6,286,758	232,415,232	197,430,445	25,352,496	9,632,291	.....
1973	490,084,015	461,826,145	22,988,904	5,270,966	277,305,888	238,807,467	28,435,704	10,662,713	.....
1974	497,282,811	473,940,012	19,027,376	4,315,423	266,806,094	238,686,754	23,342,970	4,174,370	.....
1975	476,572,516	455,117,216	18,121,866	3,333,432	272,134,891	236,707,996	28,707,321	6,719,574	.....
1976	570,314,893	539,674,004	25,845,506	4,799,339	285,645,016	250,632,668	26,015,680	6,961,668	.....
1977	654,136,893	625,308,679	25,416,264	7,411,950	277,119,920	240,784,157	27,741,857	8,593,406	.....
1978	643,156,863	616,140,827	19,916,819	7,129,217	302,871,026	259,316,657	30,961,456	12,592,913	.....
1979	632,995,657	607,898,526	19,450,918	5,646,213	368,449,308	311,786,293	37,964,841	18,696,811	.....
1980	577,521,121	502,005,886	13,414,205	2,101,050	403,862,879	358,805,981	37,216,588	7,860,310	.....
1981	477,191,544	457,467,479	16,794,705	2,929,320	409,910,646	366,424,418	36,976,771	6,509,457	.....
1982	416,621,434	402,511,218	11,541,473	2,568,743	403,109,549	366,825,117	29,701,691	6,582,741	.....
1983	387,847,325	371,773,135	13,080,460	2,993,730	363,292,869	330,955,677	26,794,890	5,342,302	.....
1984	427,139,571	409,245,162	12,922,694	4,921,710	378,198,562	335,269,229	32,286,050	6,643,283	.....
1985	412,681,350	395,577,007	11,916,969	5,193,374	361,635,933	327,425,824	37,727,141	6,482,968	.....
1986	486,073,464	472,230,980	9,597,544	4,244,940	351,150,039	319,163,161	25,248,144	6,738,734	.....

\* DEPARTMENT OF DEFENSE CONTROLLED CAGGJ AND SPECIAL CATEGORY COMMODITIES FOR WHICH BREAKDOWN BY CANADIAN AND OVERSEAS IS NOT AVAILABLE PRIOR TO 1969.

# Waterborne Commerce of the United States, 1986

TABLE 1B--DOMESTIC COMMERCE OF THE UNITED STATES, CALENDAR YEAR 1947-1986

(IN TONS OF 2,000 POUNDS)

YEAR	TOTAL	COASTWISE	LAKENISE	INTERNAL	INTRAPORT	LOCAL	INTRATERRITORY
1947	578,560,615	153,098,204	163,180,337	149,614,401	57,410,575	55,257,098	*
1948	630,228,874	174,080,850	172,490,721	169,697,866	58,944,696	55,014,741	*
1949	575,362,690	161,433,662	145,591,636	165,702,829	48,323,356	54,314,207	*
1950	651,358,876	182,543,761	169,880,810	190,788,910	51,703,560	55,202,362	1,239,473
1951	692,072,579	186,759,124	178,463,212	213,404,964	50,952,725	61,075,892	1,416,662
1952	660,395,707	184,207,006	154,112,031	216,644,384	49,182,353	54,790,101	1,459,832
1953	706,151,204	188,757,641	188,621,385	224,957,448	47,902,038	54,659,693	1,252,999
1954	653,795,917	187,239,830	145,364,309	217,061,457	48,040,411	54,678,958	1,410,952
1955	745,032,853	195,717,548	184,808,588	249,693,298	52,900,516	59,962,096	1,950,807
1956	766,223,135	205,910,228	173,990,656	269,734,055	53,064,701	61,248,859	2,220,636
1957	772,861,884	196,418,553	182,150,309	281,065,531	50,188,261	60,636,183	2,403,047
1958	695,664,978	194,050,174	132,288,549	261,068,849	48,882,176	56,542,798	2,832,432
1959	726,732,163	205,509,011	131,220,380	282,268,792	49,683,204	57,063,392	**987,384
1960	760,573,156	209,196,823	155,109,237	291,056,655	49,471,054	54,722,392	1,016,995
1961	732,825,364	206,899,377	136,841,146	294,052,123	43,197,871	50,731,199	1,103,648
1962	770,805,345	215,410,882	135,743,781	316,061,877	47,918,437	54,358,792	1,261,576
1963	788,107,965	213,853,293	141,741,152	331,902,484	45,575,094	53,405,530	1,630,412
1964	816,168,440	205,687,945	151,404,618	357,916,216	43,007,165	56,572,257	1,580,199
1965	829,169,434	201,508,107	153,695,242	369,615,461	***	102,865,022	1,485,602
1966	862,724,995	208,374,966	164,036,995	389,851,631	***	99,214,579	1,246,824
1967	870,633,840	214,646,527	153,596,684	398,592,679	***	102,320,054	1,477,896
1968	887,889,448	214,250,535	151,115,936	430,174,303	***	90,730,336	1,618,338
1969	927,399,179	216,707,773	160,843,835	460,944,875	***	87,536,483	1,366,213
1970	950,727,374	238,440,385	157,058,867	472,123,417	***	81,474,605	1,629,900
1971	946,598,106	242,918,056	140,954,956	479,217,765	***	81,252,652	1,256,677
1972	986,811,761	242,660,087	145,013,420	506,989,282	***	90,266,095	1,882,917
1973	994,158,107	236,794,660	156,620,831	503,236,890	***	93,222,623	4,203,103
1974	982,699,639	233,358,124	146,067,270	511,021,978	***	88,197,576	4,054,691
1975	946,326,959	231,932,437	129,331,161	503,932,258	***	78,279,224	2,851,879
1976	979,042,910	236,278,624	132,112,775	523,972,573	***	83,731,092	2,947,846
1977	972,466,806	248,083,338	109,079,945	528,704,658	***	83,444,472	3,654,395
1978	1,075,291,865	305,342,824	142,662,552	534,508,943	***	89,506,584	3,270,962
1979	1,080,312,665	304,665,522	143,563,644	534,969,167	***	93,113,665	4,000,687
1980	1,077,483,402	329,608,613	115,124,231	534,979,027	***	94,183,696	3,587,835
1981	1,054,456,797	321,989,988	115,418,165	520,668,720	***	93,249,873	3,130,051
1982	957,009,596	311,058,264	72,084,986	495,453,486	***	75,601,691	2,811,169
1983	956,520,817	309,636,759	83,446,847	487,132,248	***	73,144,961	3,160,002
1984	1,032,682,486	307,652,127	98,010,499	542,502,695	***	81,110,880	3,406,285
1985	1,014,111,539	309,801,605	91,987,003	534,658,233	***	74,263,246	3,401,452
1986	1,037,192,777	308,024,669	87,352,525	560,499,024	***	77,357,617	3,958,942

\* INCLUDED IN OTHER TYPES OF DOMESTIC TRAFFIC.

\*\* BEGINNING WITH 1959 EXCLUDES TRAFFIC WITHIN THE STATES OF ALASKA AND HAWAII. SUCH TRAFFIC IS INCLUDED IN OTHER DOMESTIC TRAFFIC CATEGORIES IN ACCORDANCE WITH DEFINITIONS APPLICABLE TO CONTINENTAL UNITED STATES.

\*\*\* INCLUDED IN LOCAL.

# NATIONAL SUMMARIES

7

TABLE 2--SUMMARY OF FOREIGN AND DOMESTIC WATERBORNE COMMERCE, BY TYPE OF TRAFFIC AND COMMODITY, CALENDAR YEAR 1966  
(NET TRAFFIC IN TONS OF 2,000 POUNDS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC					
		IMPORTS	EXPORTS	TOTAL	COASTWISE	LAKESWISE	INTERNAL	LOCAL	INTRA-TERRITORY
TOTAL, ALL COMMODITIES-----	1,674,416,280	486,073,466	351,150,039	1,037,192,777	308,024,669	87,352,525	560,499,624	77,357,617	3,958,962
FARM PRODUCTS									
0101 COTTON, RAW-----	822,123	176	617,651	4,296	101	-----	4,115	-----	-----
0102 BARLEY AND RYE-----	2,250,685	73,170	1,770,711	406,804	-----	-----	406,804	-----	-----
0103 CORN-----	50,056,824	64,217	26,690,838	21,101,769	150,788	-----	20,936,383	14,398	-----
0104 OATS-----	785,616	39,271	12,679	378,666	4,691	-----	373,775	-----	-----
0105 RICE-----	3,955,522	27,000	2,709,803	1,935,639	185,110	-----	1,008,522	-----	7
0106 BORGHUM GRAINS-----	6,598,924	-----	4,166,033	2,432,891	5,345	-----	2,427,546	-----	-----
0107 WHEAT-----	37,402,190	134,791	27,044,401	10,222,990	299,323	757,414	9,123,181	43,080	-----
0111 SOYBEANS-----	41,024,697	20	22,967,561	18,057,696	65	-----	18,009,582	47,449	-----
0112 FLAXSEED-----	115	-----	-----	115	-----	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	676,196	33,334	615,536	27,326	4,765	-----	22,561	-----	-----
0121 TOBACCO, LEAF-----	477,764	212,725	263,844	1,215	1,215	-----	-----	-----	-----
0122 HAY AND FODDER-----	28,190	-----	-----	24,190	2,466	-----	21,724	-----	-----
0129 FIELD CROPS, NEC-----	280,362	62,343	141,314	76,725	227	-----	76,330	100	-----
0131 FRESH FRUITS-----	1,713,301	194,519	1,124,899	433,883	433,578	304	-----	-----	1
0132 BANANAS AND PLANTAINS-----	3,536,580	3,536,694	2,210	6,270	-----	-----	-----	-----	-----
0133 COFFEE-----	1,312,299	1,175,400	85,764	51,135	51,135	-----	-----	-----	-----
0134 COCOA BEANS-----	247,172	227,738	4,403	15,031	15,031	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	1,099,285	167,006	699,227	232,152	212,453	5,542	14,195	-----	2
0151 LIVE ANIMALS-----	87,220	294	5,602	81,324	81,324	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	292,855	125,245	129,401	38,209	6,405	-----	31,724	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	98,627	45,339	19,461	33,827	33,803	23	-----	-----	1
FOREST PRODUCTS									
0841 CRUDE RUBBER AND ALLIED GUMS-----	1,069,921	1,055,232	10,883	3,806	960	-----	2,836	-----	-----
0861 FOREST PRODUCTS, NEC-----	233,966	130,210	30,303	73,453	14,030	-----	59,423	-----	-----
FRESH FISH & OTHER MARINE PRODUCTS									
0911 FRESH FISH, EXCEPT SHELLFISH-----	1,592,627	540,520	272,782	779,325	37,267	209	739,656	1,420	773
0912 SHELLFISH, EXCEPT PREPARED-----	782,310	204,634	39,454	538,230	7,736	-----	525,697	4,797	-----
0913 MENHADEN-----	33,726	-----	-----	33,726	-----	-----	33,726	-----	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	4,196,448	3,085	6,538	6,186,825	483	-----	4,156,362	29,960	-----
METALLIC ORES									
1011 IRON ORE AND CONCENTRATES-----	67,035,273	18,345,127	5,012,554	43,677,592	24,509	40,783,119	2,868,488	1,476	-----
1021 COPPER ORE AND CONCENTRATES-----	727,840	15,984	15,984	63,367	-----	-----	61,920	1,447	-----
1051 ALUMINUM ORES, CONCENTRATES-----	12,522,864	11,758,441	522,012	242,411	-----	-----	242,411	-----	-----
1061 MANGANESE ORES, CONCENTRATES-----	643,962	450,532	5,237	188,193	-----	-----	188,193	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	2,674,470	1,622,341	544,381	507,748	2,320	-----	503,988	1,440	-----
COAL									
1121 COAL AND LIGNITE-----	283,852,990	1,858,166	85,301,357	196,693,467	9,869,534	19,796,532	163,126,894	3,880,507	-----
CRUDE PETROLEUM									
1311 CRUDE PETROLEUM-----	412,919,113	216,745,376	6,935	196,166,802	149,458,227	-----	43,912,630	2,795,937	-----
NONMETALLIC MINERALS, EXCEPT FUELS									
1411 LIMESTONE-----	24,952,290	673,873	2,662,102	21,616,235	514	17,296,000	4,251,488	68,224	-----
1412 BUILDING STONE, UNWORKED-----	60,307	-----	59,954	353	353	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	67,993,425	2,848,942	1,539,744	63,604,719	2,236,022	511,715	53,275,886	7,581,936	-----
1451 CLAY-----	4,708,953	1,767,236	2,059,716	882,003	3,581	109,873	735,876	32,468	-----
1471 PHOSPHATE ROCK-----	16,485,140	536,667	8,079,700	7,866,681	7,834,641	-----	32,240	-----	-----
1479 NATURAL FERTILIZER MATS, NEC-----	58,864	51,012	-----	7,852	-----	-----	7,852	-----	-----
1491 SALT-----	6,497,961	5,466,415	1,031,546	-----	-----	-----	-----	-----	-----
1492 SULPHUR, DRY-----	3,792,866	-----	3,771,449	21,417	16,990	-----	4,427	-----	-----
1493 SULPHUR, LIQUID-----	5,927,373	-----	-----	5,927,373	3,009,260	-----	2,914,163	103,950	-----
1494 GYPSUM, CRUDE AND PLASTER-----	10,889,224	9,401,000	84,038	1,404,186	8,323	1,058,895	334,564	2,402	-----
1499 NONMETALLIC MINERALS, NEC-----	8,528,359	1,205,446	573,748	6,749,165	131,222	987,861	5,508,218	121,884	-----
ORDNANCE & ACCESSORIES									
1911 ORDNANCE AND ACCESSORIES-----	34,932	25,055	5,086	4,791	239	-----	4,552	-----	-----
FOOD & KINDRED PRODUCTS									
2011 MEAT, FRESH, CHILLED, FROZEN-----	1,734,036	704,810	779,407	249,619	249,568	251	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	326,530	262,816	28,799	14,915	14,915	-----	-----	-----	-----
2018 TALLOW, ANIMAL FATS AND OILS-----	1,371,919	-----	1,249,039	122,880	11,678	-----	111,202	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	760,102	11,673	731,761	16,860	2,719	-----	14,149	-----	-----
2021 DAIRY PRODUCTS, NEC-----	226,723	160,616	23,677	42,230	38,035	4,195	-----	-----	-----
2022 DRIED MILK AND CREAM-----	469,905	22,027	423,640	24,230	24,230	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	639,454	347,929	70,201	211,324	181,262	39,360	-----	902	-----
2034 VEGETABLES AND PREP, NEC-----	1,170,655	777,409	178,882	216,524	201,762	1,614	18,946	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	2,966,820	2,142,457	405,187	419,176	417,682	-----	1,417	-----	77
2041 WHEAT FLOUR AND SEMOLINA-----	1,373,000	-----	1,305,843	67,157	19,801	-----	47,356	-----	-----
2042 ANIMAL FEEDS-----	17,045,432	373,639	9,568,544	7,103,249	224,755	2,911	6,872,205	3,290	88
2049 GRAIN MILL PRODUCTS, NEC-----	12,411,618	238,205	6,582,092	5,591,321	81,255	-----	5,510,050	-----	12
2061 SUGAR-----	4,042,589	2,078,700	387,756	1,576,133	1,136,400	-----	439,733	-----	-----
2062 MOLASSES-----	2,591,059	1,357,232	413,551	820,276	292,237	-----	466,692	73,895	7,452
2081 ALCOHOLIC BEVERAGES-----	2,918,773	2,444,799	212,091	261,883	259,398	-----	2,430	21	34
2091 VEGETABLE OILS, MARC, SHORT-----	3,763,667	1,297,655	1,236,129	1,229,885	67,915	-----	1,088,741	81,176	53
2092 ANIMAL OILS AND FATS, NEC-----	123,279	10,682	96,527	15,070	145	-----	6,461	11,284	-----
2094 GROCERIES-----	824,306	-----	-----	426,166	413,994	284	6,974	233	2,819
2095 ICE-----	364,251	202,463	29	161,759	-----	69	161,100	590	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	3,364,222	983,262	910,659	1,470,101	1,058,053	1,770	403,886	5,615	777

\* SALT INCLUDED IN NONMETALLIC MINERALS, NEC, TO AVOID DISCLOSURE OF INDIVIDUAL COMPANY OPERATIONS.

# Waterborne Commerce of the United States, 1986

TABLE 2--SUMMARY OF FOREIGN AND DOMESTIC WATERBORNE COMMERCE, BY TYPE OF TRAFFIC AND COMMODITY, CALENDAR YEAR 1986--CONTINUED

(NET TRAFFIC IN TONS OF 2,000 POUNDS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC						
		IMPORTS	EXPORTS	TOTAL	COASTWISE	LAKEWISE	INTERNAL	LOCAL	INTRA-TERRITORY	
TOBACCO PRODUCTS										
2111 TOBACCO MANUFACTURES-----	170,814	6,712	153,320	10,778	10,778	-----	-----	-----	-----	-----
BASIC TEXTILES										
2211 BASIC TEXTILE PRODUCTS-----	1,704,135	1,215,082	523,301	45,752	30,604	-----	15,145	-----	-----	3
2212 TEXTILE FIBERS, NEC-----	95,427	48,633	33,797	13,597	897	-----	12,700	-----	-----	-----
APPAREL & OTHER FINISHED TEXTILE PRODUCTS, INCLUDING KNIT										
2311 APPAREL-----	1,184,775	1,056,519	62,613	65,643	65,619	-----	-----	-----	-----	24
LUMBER & WOOD PRODS., EXC. FURNITURE										
2411 LOGS-----	16,131,090	197,643	15,571,510	401,945	2,906	44	396,865	2,130	-----	-----
2412 RAFTED LOGS-----	14,411,235	-----	-----	14,411,235	-----	-----	10,676,980	3,734,255	-----	-----
2413 FUEL WOOD, CHARCOAL, WASTES--	233,308	70,760	11,355	191,193	10,751	3	140,439	-----	-----	-----
2414 TIMBER, POSTS, POLES, PILING--	132,683	9,543	73,504	49,356	20,505	-----	26,713	2,338	-----	-----
2415 PULPHOOD, LOGS-----	3,133,728	99,232	10,462	3,024,034	16,872	2,971	3,004,191	-----	-----	-----
2416 WOOD CHIPS, STAVES, MOULDINGS--	8,581,331	668,800	4,682,000	3,293,435	-----	-----	3,205,590	47,937	-----	-----
2421 LUMBER-----	6,152,159	2,379,962	2,686,100	1,086,109	1,014,759	3,820	65,577	1,949	-----	4
2431 VENEER, PLYWOOD, WORKED WOOD--	1,750,948	1,186,770	387,009	177,081	61,284	2,075	113,722	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	700,080	334,351	266,923	186,806	170,039	6,492	7,956	2,278	-----	42
FURNITURE & FIXTURES										
2511 FURNITURE AND FIXTURES-----	1,430,561	1,235,390	60,204	142,967	142,452	26	436	9	-----	44
PULP, PAPER & ALLIED PRODUCTS										
2611 PULP-----	5,635,221	583,955	4,120,960	930,298	59,647	18,333	851,237	1,081	-----	-----
2621 STANDARD NEWSRINT PAPER-----	2,378,150	1,996,263	510,476	71,419	14,615	5,763	51,041	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	5,456,927	1,620,305	3,257,204	371,338	117,853	102,077	351,408	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC--	1,666,115	169,577	148,719	1,347,819	267,526	-----	1,078,620	1,603	-----	70
PRINTED MATTER										
2711 PRINTED MATTER-----	324,438	224,585	80,688	19,165	19,165	-----	-----	-----	-----	-----
CHEMICALS & ALLIED PRODUCTS										
2810 SODIUM HYDROXIDE-----	4,875,318	-----	-----	4,875,318	893,010	14,910	3,733,900	233,402	-----	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS--	2,238,132	611,022	205,652	1,341,458	47,164	-----	1,150,914	135,380	-----	-----
2812 DYES, PIGMENT, TANNING MATS--	20,696	-----	19,067	1,629	1,629	-----	-----	-----	-----	-----
2813 ALCOHOLS-----	7,749,206	1,680,664	866,669	5,201,873	471,095	-----	4,100,869	542,309	-----	-----
2816 RADIOACTIVE MATERIALS, WASTES--	22,351	10,296	7,252	803	803	-----	-----	-----	-----	-----
2817 BENZENE AND TOLUENE-----	3,984,230	941,515	130,774	4,011,941	285,026	30,180	3,579,809	1,216,926	-----	-----
2818 SULPHURIC ACID-----	2,126,664	-----	-----	2,126,664	89,509	-----	1,633,789	403,366	-----	-----
2819 BASIC CHEMICALS AND PROD. NEC--	51,455,508	15,688,056	12,953,755	23,032,797	3,105,091	118,651	18,107,841	1,625,203	11	-----
2821 PLASTIC MATERIALS-----	3,435,152	779,426	2,592,424	63,102	49,671	-----	13,430	-----	-----	1
2822 SYNTHETIC RUBBER-----	432,475	29,182	325,666	77,627	1,165	2,307	74,155	-----	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS--	309,728	75,053	233,549	1,126	1,126	-----	-----	-----	-----	-----
2831 DRUGS-----	109,475	105,607	68,231	15,557	15,553	-----	-----	-----	-----	4
2841 SOAP-----	541,966	170,321	295,079	76,566	74,967	-----	1,410	-----	-----	109
2851 PAINTS-----	537,207	436,144	78,192	22,871	21,084	-----	1,783	-----	-----	4
2861 GUM AND WOOD CHEMICALS-----	517,745	10,273	174,433	333,039	83,892	1,818	229,155	18,174	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS--	10,741,751	3,106,538	1,505,403	6,129,810	482,454	54,511	5,534,877	57,968	-----	-----
2872 POTASSIC CHEM FERTILIZERS--	3,740,919	1,999,574	2,139,112	1,602,233	117,670	5,517	1,447,070	31,168	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS--	2,561,995	1,058	1,619,437	940,608	367,095	88	557,282	16,139	-----	-----
2876 INSECTICIDES, DISINFECTANTS--	252,815	77,495	168,368	6,958	6,623	-----	334	-----	-----	1
2879 FERTILIZER AND MATERIALS, NEC--	10,861,090	87,239	4,342,766	6,431,095	1,169,546	-----	5,225,795	35,792	2	-----
2891 MISCELLANEOUS CHEMICAL PROD--	2,484,701	817,025	987,847	679,029	299,662	3,917	373,471	1,979	-----	-----
PETROLEUM & COAL PRODUCTS										
2911 GASOLINE-----	95,974,040	17,201,601	1,027,380	76,945,059	38,880,306	632,611	27,010,995	10,089,735	331,412	-----
2912 JET FUEL-----	14,948,152	3,001,722	920,219	11,026,211	5,109,448	189,256	4,070,924	493,877	362,706	-----
2913 KEROSENE-----	2,381,493	175,461	79,152	2,326,880	1,145,403	10,559	733,413	399,538	37,967	-----
2914 DISTILLATE FUEL OIL-----	70,102,009	12,607,815	5,650,511	59,635,683	27,523,970	369,201	18,408,147	12,943,380	371,015	-----
2915 RESIDUAL FUEL OIL-----	102,450,937	43,586,861	9,923,021	86,941,075	28,453,115	364,919	37,172,571	20,626,642	2,123,628	-----
2916 LUBRICATING OILS AND GREASES--	8,489,057	459,105	2,358,447	5,671,425	2,527,352	32,200	2,740,484	371,309	-----	-----
2917 NAPHTHA, PETROLEUM SOLVENTS--	14,990,105	7,771,777	43,422	7,162,906	1,441,385	13,836	4,062,370	1,049,761	595,554	-----
2918 ASPHALT, TAR, AND PITCHES--	11,853,263	1,655,564	155,656	9,842,043	3,289,704	472,030	5,551,221	529,008	-----	-----
2920 COKE, PETROLEUM COKE-----	23,214,010	387,686	17,801,971	5,024,361	61	114,980	4,424,302	485,018	-----	-----
2921 LIQUEFIED GASES-----	7,478,015	4,554,234	1,281,350	1,642,423	320,330	666	1,298,479	18,678	270	-----
2951 ASPHALT BUILDING MATERIALS--	26,810	-----	22,401	4,409	4,409	-----	-----	-----	-----	1
2991 PETROLEUM AND COAL PROD. NEC--	2,544,440	67,110	81,732	2,395,598	1,049,187	-----	992,301	342,608	11,502	-----
RUBBER & MISC. PLASTIC PRODUCTS										
3011 RUBBER AND MISC PLASTIC PROD--	2,089,617	1,603,118	291,066	115,233	104,175	9,455	1,058	-----	-----	545
LEATHER & LEATHER PRODUCTS										
3111 LEATHER AND LEATHER PRODUCTS--	906,464	811,174	79,780	15,506	15,506	-----	-----	-----	-----	-----
STONE, CLAY, GLASS, & CONCRETE PROD.										
3211 GLASS AND GLASS PRODUCTS-----	729,302	494,323	188,033	46,946	33,326	-----	13,616	-----	-----	4
3241 BUILDING CEMENT-----	24,029,514	13,059,012	49,787	11,020,745	1,739,398	2,855,200	6,481,489	744,656	-----	2
3251 STRUCTURAL CLAY PRODUCTS-----	1,055,375	890,960	93,143	71,264	10,522	43,790	8,950	-----	-----	2
3271 LIME-----	1,537,406	136	2,126	1,535,244	106	1,608	1,533,486	24	-----	-----
3281 CUT STONE AND STONE PRODUCTS--	528,695	509,532	4,857	14,306	4,635	555	9,115	-----	-----	1
3291 MISC NONMETALLIC MINERAL PROD--	1,513,581	894,455	183,674	435,452	166,654	519	261,719	6,559	-----	-----



# NATIONAL SUMMARIES

9

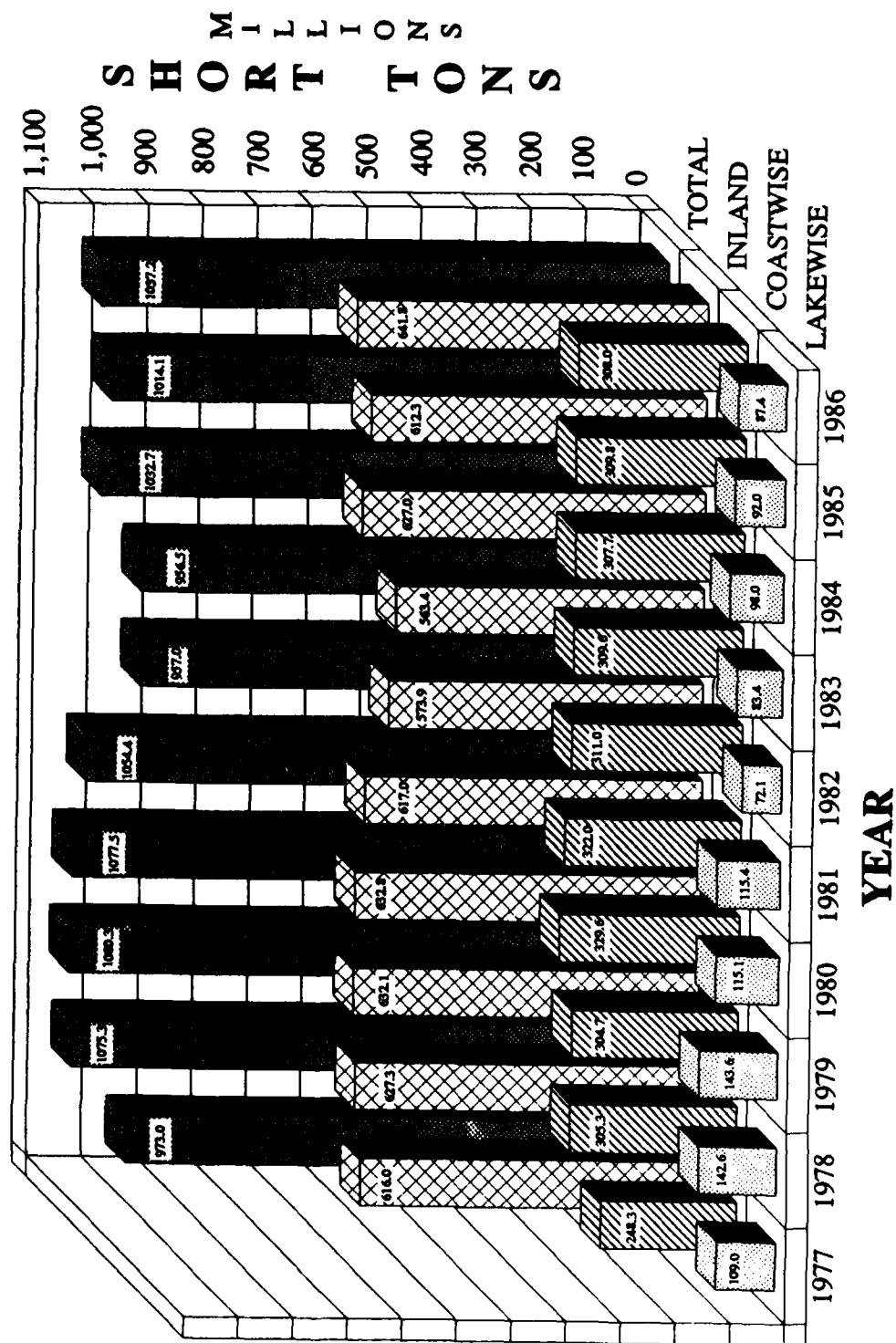
TABLE 2--SUMMARY OF FOREIGN AND DOMESTIC WATERBORNE COMMERCE, BY TYPE OF TRAFFIC AND COMMODITY, CALENDAR YEAR 1966--CONTINUED  
(NET TRAFFIC IN TONS OF 2,000 POUNDS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC						
		IMPORTS	EXPORTS	TOTAL	COASTWIDE	LAKEWIDE	INTERNAL	LOCAL	INTRA-TERRITORY	
PRIMARY METAL PRODUCTS										
3311 PIG IRON-----	473,472	282,110	39,322	152,034	113	960	150,950	11	-----	
3312 SLAB-----	1,269,422	26,460	20	1,242,934	0,970	424,856	899,500	-----	-----	
3314 IRON AND STEEL PRIMARY FORMS--	3,274,939	1,001,200	51,000	1,421,039	190	1,000	1,413,466	7,236	-----	
3315 IRON, STEEL SHAPED, EXC SHEET--	14,212,600	12,100,200	35,192	1,977,204	29,000	14,677	1,930,629	5,916	-----	
3316 IRON AND STEEL PLATES, SHEETS--	1,500,377	102,931	905,637	900,100	31,294	3,692	944,674	529	-----	
3317 IRON AND STEEL PIPE AND TUBE--	3,503,122	2,030,931	140,490	1,007,693	32,930	-----	919,510	55,643	2	
3310 FERROALLOYS-----	2,322,004	1,275,711	71,736	974,637	14,176	1,000	959,461	4,243	-----	
3319 IRON AND STEEL PRODUCTS, NEC--	762,107	355,320	75,542	331,237	44,345	2,793	283,946	552	1	
3321 NONFERROUS METALS, NEC-----	253,935	141,106	76,066	36,061	21,914	-----	14,707	-----	-----	
3322 COPPER ALLOYS, UNWORKED-----	672,334	370,207	50,781	37,596	1,034	-----	35,216	496	-----	
3323 LEAD AND ZINC, UNWORKED-----	446,333	303,864	55,092	86,777	369	-----	86,408	-----	-----	
3324 ALUMINUM AND ALLOYS, UNWORKED--	1,472,320	1,054,643	231,590	105,007	7,212	-----	177,407	1,201	7	
FABRICATED METAL PRODUCTS, EXCEPT ORDNANCE, MACHINERY, & TRANS. EQUIP										
3411 FABRICATED METAL PRODUCTS-----	5,120,400	3,245,442	304,901	1,409,906	1,291,392	1,050	173,700	17,090	5,647	
MACHINERY, EXCEPT ELECTRICAL										
3511 MACHINERY, EXCEPT ELECTRICAL--	6,121,044	4,226,020	1,201,270	613,750	217,056	2,439	370,800	16,756	9,054	
ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES										
3611 ELECTRICAL MACH AND EQUIP-----	3,915,331	3,261,400	598,540	61,703	47,100	-----	14,535	37	31	
TRANSPORTATION EQUIPMENT										
3711 MOTOR VEHICLES, PARTS, EQUIP--	6,402,007	7,292,672	400,792	661,433	649,196	310	11,492	60	379	
3721 AIRCRAFT AND PARTS-----	24,360	9,217	14,730	427	365	-----	62	-----	-----	
3731 SHIPS AND BOATS-----	192,306	62,923	25,801	14,264	12,329	-----	1,935	-----	-----	
3791 MISC TRANSPORTATION EQUIPMENT--	213,712	45,419	65,775	102,922	100,320	550	1,602	42	-----	
INSTRUMENTS, PHOTOGRAPHIC & OPTICAL GOODS, WATCHES & CLOCKS										
3811 INSTR, TIME, PHOTO, OPT GOODS--	563,270	395,930	143,030	24,319	24,292	-----	-----	-----	23	
MISC. PRODUCTS OF MANUFACTURING										
3911 MISC MANUFACTURED PRODUCTS-----	2,907,143	1,597,623	77,090	1,232,236	87,932	2,343	1,141,071	661	23	
WASTE & SCRAP MATERIALS										
4011 IRON AND STEEL SCRAP-----	14,061,293	134,462	11,077,005	3,669,626	62,020	4,607	3,125,900	476,031	-----	
4012 NONFERROUS METAL SCRAP-----	1,300,110	505,917	644,302	17,019	2,290	-----	15,521	-----	-----	
4022 TEXTILE WASTE, SCRAP, SWEEP--	202,197	6,310	275,296	591	591	-----	-----	-----	-----	
4024 PAPER WASTE AND SCRAP-----	3,036,912	6,106	3,020,393	2,353	2,353	-----	-----	-----	-----	
4029 WASTE AND SCRAP, NEC-----	19,406,005	-----	-----	19,406,005	342,727	61	13,702,962	5,361,135	-----	
SPECIAL ITEMS										
4111 WATER-----	1,644,900	-----	-----	1,644,900	3,740	-----	1,377,939	65,224	1	
4112 COMMODITIES, NEC-----	3,955,303	615,996	409,299	3,130,009	4,604,402	32,801	169,531	223,543	99,673	
4113 LCL FREIGHT-----	10	-----	-----	10	10	-----	-----	-----	-----	
4119 EMPTY CONTAINERS-----	52,799	-----	-----	52,799	36,445	-----	13,001	553	-----	
9999 DEPARTMENT OF DEFENSE AND SCI--	90,500	-----	90,500	-----	-----	-----	-----	-----	-----	

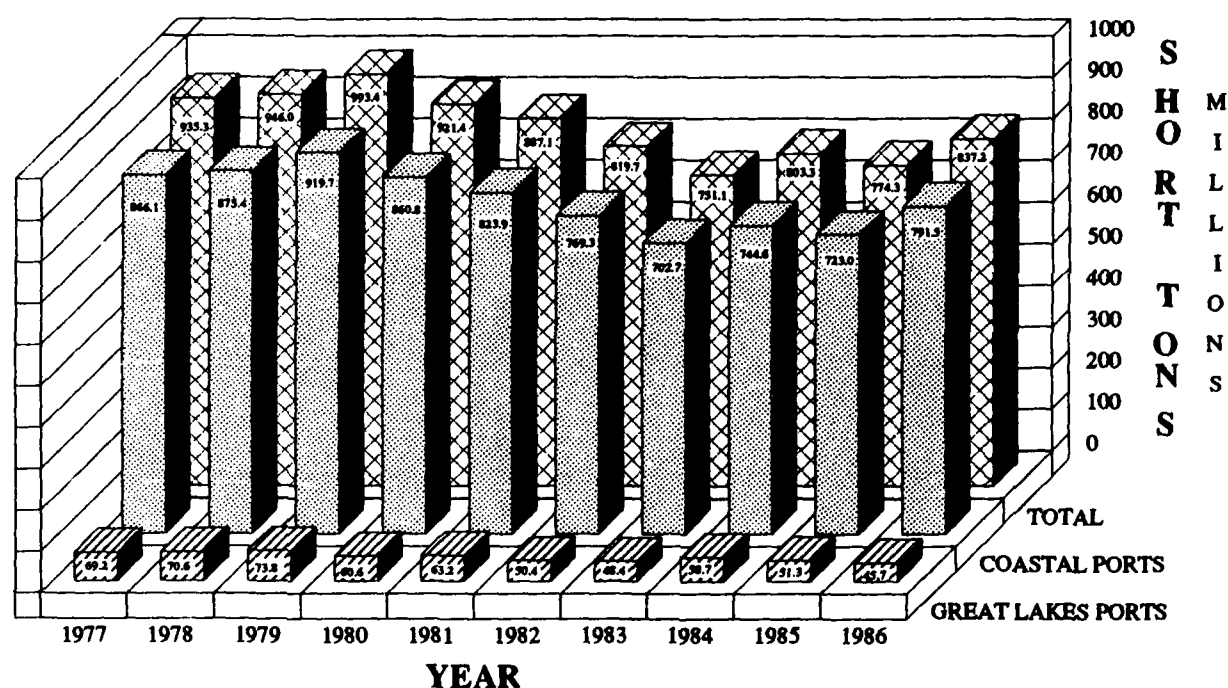
## NATIONAL SUMMARIES

# DOMESTIC WATERBORNE COMMERCE OF THE U.S.

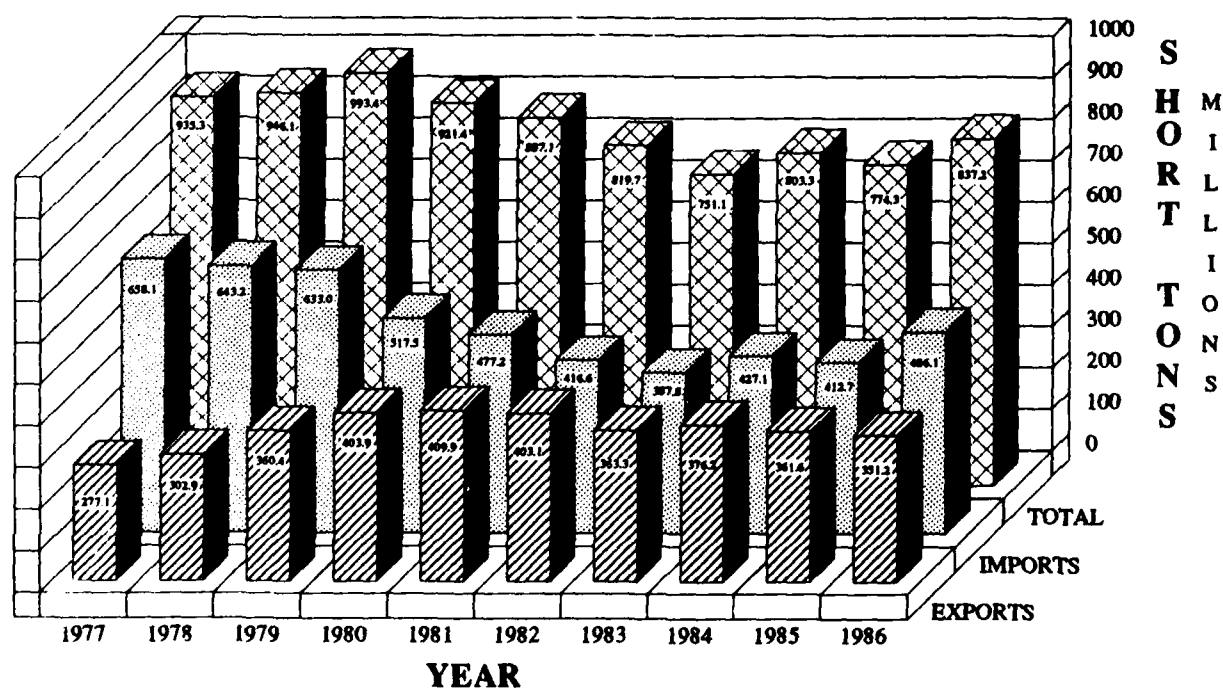
## BY TYPE OF TRAFFIC



**FOREIGN WATERBORNE COMMERCE OF THE UNITED STATES  
GREAT LAKES vs. COASTAL PORTS 1977 - 1986**



**FOREIGN WATERBORNE IMPORTS AND EXPORTS  
1977 - 1986**

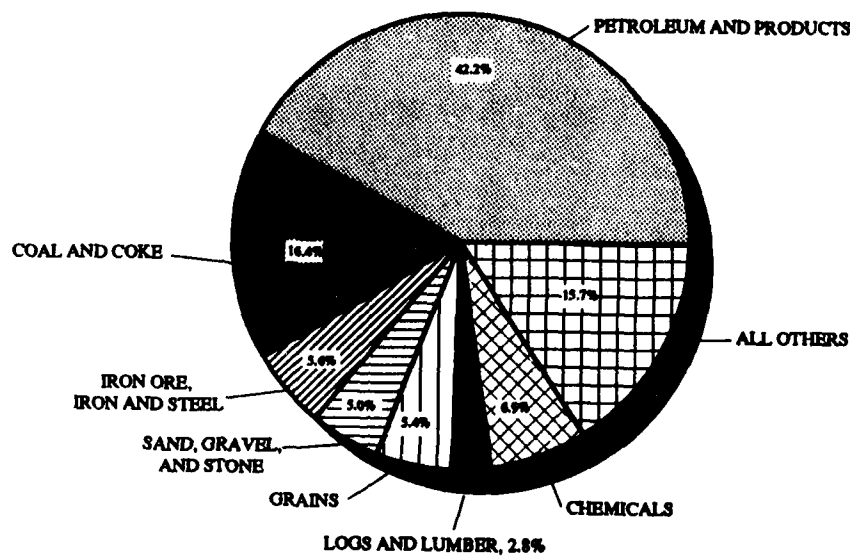


# NATIONAL SUMMARIES

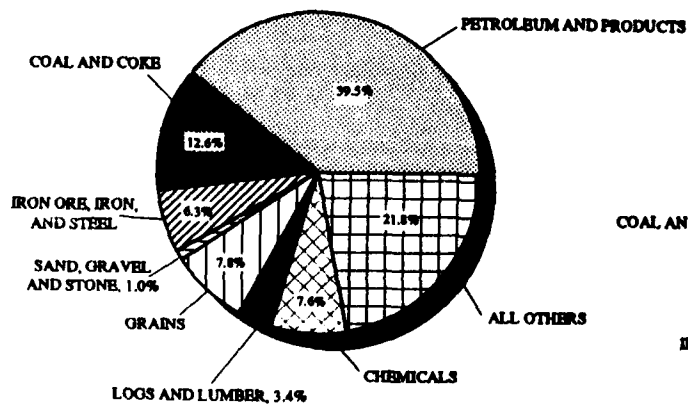
## PRINCIPAL COMMODITIES CARRIED BY WATER

CALENDER YEAR 1986

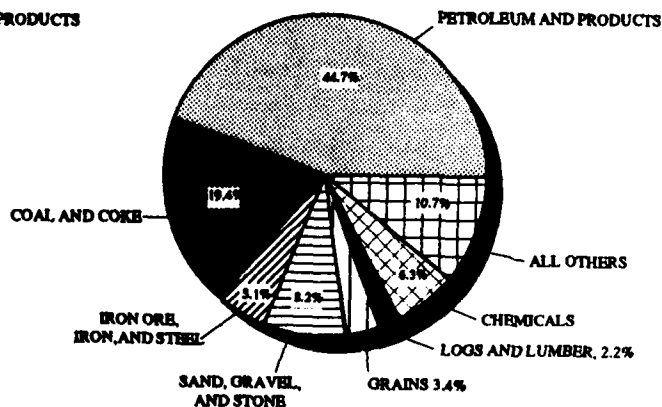
TOTAL COMMERCE



### FOREIGN COMMERCE



### DOMESTIC COMMERCE



## NATIONAL SUMMARIES

13

TABLE 2A--SUMMARY OF FOREIGN COMMERCE AT COASTAL PORTS, BY COMMODITY, CALENDAR YEAR 1986  
(IN TONS OF 2,000 POUNDS)

COMMODITY	TOTAL	IMPORTS	EXPORTS
TOTAL, ALL COMMODITIES-----	791,394,141	472,230,980	319,163,161
FARM PRODUCTS			
0101 COTTON, RAW-----	817,827	176	817,651
0102 BARLEY AND RYE-----	1,459,809	73,170	1,386,639
0103 CORN-----	28,024,129	64,217	27,959,912
0104 OATS-----	382,876	370,197	12,679
0105 RICE-----	2,801,883	92,080	2,709,803
0106 SORGHUM GRAINS-----	4,166,033	-----	4,166,033
0107 WHEAT-----	24,608,888	13,033	24,595,855
0111 SOYBEANS-----	21,679,717	20	21,679,697
0119 OILSEEDS, NEC-----	376,250	31,791	344,459
0121 TOBACCO, LEAF-----	476,569	212,725	263,844
0129 FIELD CROPS, NEC-----	192,370	62,156	130,214
0131 FRESH FRUITS-----	1,279,293	154,519	1,124,774
0132 BANANAS AND PLANTAINS-----	3,532,310	3,530,094	2,216
0133 COFFEE-----	1,261,052	1,175,288	85,764
0134 COCOA BEANS-----	232,141	227,738	4,403
0141 FRESH AND FROZEN VEGETABLES-----	836,504	167,672	668,832
0151 LIVE ANIMALS-----	5,896	294	5,602
0161 ANIMALS AND PRODUCTS, NEC-----	254,255	124,870	129,385
0191 MISCELLANEOUS FARM PRODUCTS-----	64,790	45,337	19,451
FOREST PRODUCTS			
0841 CRUDE RUBBER AND ALLIED GUMS-----	1,065,965	1,055,096	10,869
0861 FOREST PRODUCTS, NEC-----	160,337	130,034	30,303
FRESH FISH & OTHER MARINE PRODUCTS			
0911 FRESH FISH, EXCEPT SHELLFISH-----	812,950	540,515	272,435
0912 SHELLFISH, EXCEPT PREPARED-----	244,080	204,634	39,446
0931 MARINE SHELLS, MANUFACTURED-----	9,623	3,085	6,538
METALLIC ORES			
1011 IRON ORE AND CONCENTRATES-----	14,488,506	14,473,914	14,594
1021 COPPER ORE AND CONCENTRATES-----	644,473	15,984	628,489
1051 ALUMINUM ORES, CONCENTRATES-----	12,209,469	11,687,495	521,974
1061 MANGANESE ORES, CONCENTRATES-----	431,712	426,475	5,237
1091 NONFERREROUS ORES, CONCENT, NEC-----	2,012,533	1,552,107	460,426
COAL			
1121 COAL AND LIGNITE-----	72,862,865	1,858,166	71,024,699
CRUDE PETROLEUM			
1311 CRUDE PETROLEUM-----	216,697,545	216,690,610	6,935
NONMETALLIC MINERALS, EXCEPT FUELS			
1411 LIMESTONE-----	724,775	673,873	50,902
1412 BUILDING STONE, UNWORKED-----	34,194	-----	34,194
1442 SAND, GRAVEL, CRUSHED ROCK-----	2,849,952	1,769,934	1,080,018
1451 CLAY-----	3,647,199	1,756,366	1,890,833
1471 PHOSPHATE ROCK-----	8,618,267	538,567	8,079,700
1491 NATURAL FERTILIZER MATS, NEC-----	51,012	51,012	-----
1491 SALT-----	4,159,599	3,909,427	250,172
1492 SULPHUR, DRY-----	3,771,189	-----	3,771,189
1494 GYPSUM, CRUDE AND PLASTERS-----	9,419,366	9,401,000	18,366
1499 NONMETALLIC MINERALS, NEC-----	1,613,705	1,065,071	548,634
ORDNANCE & ACCESSORIES			
1911 ORDNANCE AND ACCESSORIES-----	29,974	24,888	5,086
FOOD & KINDRED PRODUCTS			
2011 MEAT, FRESH, CHILLED, FROZEN-----	1,484,053	704,688	779,365
2012 MEAT AND PRODUCTS, NEC-----	511,520	282,760	228,760
2014 TALLOW, ANIMAL FATS AND OILS-----	1,213,690	-----	1,213,690
2015 ANIMAL BY-PRODUCTS, NEC-----	740,936	11,288	729,648
2021 DAIRY PRODUCTS, NEC-----	183,698	160,747	22,951
2022 DRIED MILK AND CREAM-----	404,977	22,027	382,950
2031 FISH AND SHELLFISH, PREPARED-----	418,098	347,897	70,201
2034 VEGETABLES AND PREP, NEC-----	955,374	776,512	178,862
2039 PREP FRUIT AND VEG JUICE, NEC-----	2,543,565	2,136,178	407,387
2041 WHEAT FLOUR AND SEMOLINA-----	1,270,802	-----	1,270,802
2042 ANIMAL FEEDS-----	9,927,549	373,315	9,554,234
2049 GRAIN MILL PRODUCTS, NEC-----	6,609,520	237,517	6,372,003
2061 SUGAR-----	2,454,854	2,067,096	387,758
2062 MOLASSES-----	1,770,783	1,357,232	413,551
2081 ALCOHOLIC BEVERAGES-----	2,647,324	2,439,310	212,014
2091 VEGETABLE OILS, MARG, SHORT-----	2,513,400	1,205,922	1,317,478
2092 ANIMAL OILS AND FATS, NEC-----	107,334	10,809	96,525
2095 ICE-----	202,235	202,206	29
2099 MISCELLANEOUS FOOD PRODUCTS-----	1,855,217	981,237	873,980
TOBACCO PRODUCTS			
2111 TOBACCO MANUFACTURES-----	160,610	6,666	153,944
BASIC TEXTILES			
2211 BASIC TEXTILE PRODUCTS-----	1,722,027	1,198,785	523,242
2212 TEXTILE FIBERS, NEC-----	81,634	48,033	33,601

## Waterborne Commerce of the United States, 1986

TABLE 2A--SUMMARY OF FOREIGN COMMERCE AT COASTAL PORTS, BY COMMODITY, CALENDAR YEAR 1986--CONTINUED

(IN TONS OF 2,000 POUNDS)

COMMODITY	TOTAL	IMPORTS	EXPORTS
APPAREL & OTHER FINISHED TEXTILE PRODUCTS, INCLUDING KNIT			
2311 APPAREL-----	1,117,976	1,056,367	61,609
LUMBER & WOOD PROD., EXC. FURNITURE			
2411 LOGS-----	15,723,091	157,643	15,565,448
2413 FUEL WOOD, CHARCOAL, WASTES-----	82,095	70,760	11,335
2414 TIMBER, POSTS, POLES, PILING-----	83,127	9,543	73,584
2415 PULPWOOD, LOG-----	109,694	99,232	10,462
2416 WOOD CHIPS, STAVES, MOLDINGS-----	5,287,874	665,866	4,622,008
2421 LUMBER-----	5,038,709	2,355,865	2,682,844
2431 VENEER, PLYWOOD, WURKED WOOD-----	1,571,065	1,186,059	385,006
2491 WOOD MANUFACTURES, NEC-----	601,079	334,218	266,861
FURNITURE & FIXTURES			
2511 FURNITURE AND FIXTURES-----	1,293,495	1,233,291	60,204
PULP, PAPER & ALLIED PRODUCTS			
2611 PULP-----	4,548,866	428,507	4,120,359
2621 STANDARD NEWSPRINT PAPER-----	2,372,264	1,861,788	510,476
2631 PAPER AND PAPERBOARD-----	4,881,401	1,625,014	3,256,387
2691 PULP AND PAPER PRODUCTS, NEC-----	317,673	169,095	148,578
PRINTED MATTER			
2711 PRINTED MATTER-----	304,788	224,302	80,486
CHEMICALS & ALLIED PRODUCTS			
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	843,187	557,535	285,652
2812 DYES, PIGMENT, TANNING MATS-----	19,057	-----	19,057
2813 ALCOHOLS-----	2,520,366	1,654,632	865,734
2816 RADIOACTIVE MATERIALS, WASTES-----	21,548	14,296	7,252
2817 BENZENE AND TOLUENE-----	1,025,475	908,205	117,270
2819 BASIC CHEMICALS AND PROD, NEC-----	28,515,854	15,607,191	12,908,663
2821 PLASTIC MATERIALS-----	3,367,652	776,332	2,591,320
2822 SYNTHETIC RUBBER-----	354,572	29,080	325,492
2823 SYNTHETIC (MAN-MADE) FIBERS-----	308,582	75,035	233,547
2831 DRUGS-----	173,068	104,885	68,183
2841 SOAP-----	461,206	169,779	291,427
2851 PAINTS-----	485,334	407,182	78,152
2861 GUM AND WOOD CHEMICALS-----	184,600	10,186	174,414
2871 NITROGENOUS CHEM FERTILIZERS-----	4,396,937	2,891,534	1,505,403
2872 POTASSIC CHEM FERTILIZERS-----	3,028,435	889,323	2,139,112
2873 PHOSPHATIC CHEM FERTILIZERS-----	1,621,303	1,954	1,619,349
2876 INSECTICIDES, DISINFECTANTS-----	244,543	76,674	167,869
2879 FERTILIZER AND MATERIALS, NEC-----	4,374,192	31,450	4,342,742
2891 MISCELLANEOUS CHEMICAL PROD-----	1,800,075	813,341	986,734
PETROLEUM & COAL PRODUCTS			
2911 GASOLINE-----	18,908,626	17,088,121	1,820,505
2912 JET FUEL-----	3,915,320	3,001,722	913,598
2913 KEROSENE-----	254,613	175,461	79,152
2914 DISTILLATE FUEL OIL-----	18,294,707	12,457,064	5,837,643
2915 RESIDUAL FUEL OIL-----	53,221,048	43,296,691	9,924,357
2916 LUBRICATING OILS AND GREASES-----	2,768,776	458,359	2,310,417
2917 NAPHTHA, PETROLEUM SOLVENTS-----	7,803,480	7,740,084	63,396
2918 ASPHALT, TAR, AND BITUMENS-----	1,940,889	1,820,252	120,637
2920 COKE, PETROLEUM COKE-----	16,914,435	320,460	16,593,975
2921 LIQUEFIED GASES-----	5,832,592	4,554,234	1,278,358
2951 ASPHALT BUILDING MATERIALS-----	22,075	-----	22,075
2991 PETROLEUM AND COAL PROD, NEC-----	148,776	67,058	81,722
RUBBER & MISC. PLASTIC PRODUCTS			
3011 RUBBER AND MISC PLASTIC PROD-----	1,969,463	1,678,721	290,742
LEATHER & LEATHER PRODUCTS			
3111 LEATHER AND LEATHER PRODUCTS-----	890,522	810,742	79,780
STONE, CLAY, GLASS, & CONCRETE PROD.			
3211 GLASS AND GLASS PRODUCTS-----	680,587	492,680	187,907
3241 BUILDING CEMENT-----	12,205,707	12,178,289	27,418
3251 STRUCTURAL CLAY PRODUCTS-----	977,234	884,091	93,143
3271 LIME-----	2,262	136	2,126
3281 CUT STONE AND STONE PRODUCTS-----	511,635	506,821	4,814
3291 MISC NONMETALLIC MINERAL PROD-----	1,077,124	893,505	183,619
PRIMARY METAL PRODUCTS			
3311 PIG IRON-----	236,170	196,848	39,322
3312 SLAG-----	6,393	6,373	20
3314 IRON AND STEEL PRIMARY FORMS-----	1,449,034	1,412,706	36,328
3315 IRON, STEEL SHAPES, EXC SHEET-----	9,894,288	9,845,823	48,465
3316 IRON AND STEEL PLATES, SHEETS-----	564,274	85,941	478,333
3317 IRON AND STEEL PIPE AND TUBE-----	2,542,228	2,402,148	140,080
3318 FERROALLOYS-----	1,278,054	1,206,318	71,736
3319 IRON AND STEEL PRODUCTS, NEC-----	413,867	348,363	65,504
3321 NONFERROUS METALS, NEC-----	212,436	136,379	76,057
3322 COPPER ALLOYS, UNWORKED-----	633,879	577,132	56,747
3323 LEAD AND ZINC, UNWORKED-----	252,066	196,177	55,889
3324 ALUMINUM AND ALLOYS, UNWORKED-----	1,271,250	1,039,675	231,575

## NATIONAL SUMMARIES

15

TABLE 2A--SUMMARY OF FOREIGN COMMERCE AT COASTAL PORTS, BY COMMODITY, CALENDAR YEAR 1986--CONTINUED  
(IN TONS OF 2,000 POUNDS)

COMMODITY	TOTAL	IMPORTS	EXPORTS
FABRICATED METAL PRODUCTS, EXCEPT ORDNANCE, MACHINERY, & TRANS. EQUIP.			
3411 FABRICATED METAL PRODUCTS-----	3,603,966	3,219,532	384,414
MACHINERY, EXCEPT ELECTRICAL			
3511 MACHINERY, EXCEPT ELECTRICAL-----	5,412,284	4,143,899	1,268,385
ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES			
3611 ELECTRICAL MACH AND EQUIP-----	3,847,519	3,257,410	590,109
TRANSPORTATION EQUIPMENT			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	7,766,844	7,288,251	488,593
3721 AIRCRAFT AND PARTS-----	23,953	9,217	14,736
3731 SHIPS AND BOATS-----	87,682	62,723	24,959
3791 MISC TRANSPORTATION EQUIPMENT-----	110,720	44,998	65,722
INSTRUMENTS, PHOTOGRAPHIC & OPTICAL GOODS, WATCHES & CLOCKS			
3811 INSTR, TIME, PHOTO, OPT GOODS-----	537,140	395,242	141,898
MISC. PRODUCTS OF MANUFACTURING			
3911 MISC MANUFACTURED PRODUCTS-----	1,673,881	1,596,807	77,074
WASTE & SCRAP MATERIALS			
4011 IRON AND STEEL SCRAP-----	9,918,230	133,867	9,784,363
4012 NONFERROUS METAL SCRAP-----	1,316,365	452,786	863,579
4022 TEXTILE WASTE, SCRAP, SWEEP-----	281,579	6,310	275,269
4024 PAPER WASTE AND SCRAP-----	3,034,512	6,166	3,028,346
SPECIAL ITEMS			
4112 COMMODITIES, NEC-----	821,117	413,141	407,976
9999 DEPARTMENT OF DEFENSE AND SCI-----	98,860	-----	98,860

## Waterborne Commerce of the United States, 1986

TABLE 2B--SUMMARY OF FOREIGN COMMERCE AT GREAT LAKES PORTS, BY COMMODITY, CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

COMMODITY	TOTAL	IMPORTS			EXPORTS		
		TOTAL	CANADIAN	OVERSEAS	TOTAL	CANADIAN	OVERSEAS
TOTAL, ALL COMMODITIES-----	45,829,362	13,842,484	9,597,544	4,244,940	31,986,878	25,248,144	6,738,734
FARM PRODUCTS							
0102 BARLEY AND RYE-----	384,672	-----	-----	-----	384,672	144,114	239,950
0103 CORN-----	930,926	-----	-----	-----	930,926	628,573	302,353
0104 OATS-----	24,074	24,074	24,074	-----	-----	-----	-----
0107 WHEAT-----	2,576,324	121,758	121,758	-----	2,448,566	317,385	2,131,181
0111 SOYBEANS-----	1,287,884	-----	-----	-----	1,287,884	214,722	1,073,162
0119 OILSEEDS, NEC-----	272,620	1,543	1,543	-----	271,077	-----	271,077
0129 FIELD CROPS, NEC-----	11,287	187	90	97	11,100	-----	11,100
0131 FRESH FRUITS-----	125	-----	-----	-----	125	125	-----
0133 COFFEE-----	112	112	-----	112	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	30,629	34	-----	34	30,595	803	29,792
0161 ANIMALS AND PRODUCTS, NEC-----	391	375	58	317	16	-----	16
0191 MISCELLANEOUS FARM PRODUCTS-----	2	2	-----	2	-----	-----	-----
FOREST PRODUCTS							
0841 CRUDE RUBBER AND ALLIED GUMS-----	150	136	31	105	14	-----	14
0861 FOREST PRODUCTS, NEC-----	176	176	22	154	-----	-----	-----
FRESH FISH & OTHER MARINE PRODUCTS							
0911 FRESH FISH, EXCEPT SHELLFISH-----	344	4	-----	5	339	339	-----
METALLIC ORES							
1011 IRON ORE AND CONCENTRATES-----	8,869,173	3,871,213	3,386,061	485,152	4,997,960	4,976,893	21,067
1051 ALUMINUM ORES, CONCENTRATES-----	70,944	70,946	-----	-----	38	-----	38
1061 MANGANESE ORES, CONCENTRATES-----	24,057	24,057	-----	24,057	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	154,189	70,234	7	70,227	83,955	-----	83,955
COAL							
1121 COAL AND LIGNITE-----	14,276,658	-----	-----	-----	14,276,658	13,883,447	393,211
CRUDE PETROLEUM							
1311 CRUDE PETROLEUM-----	54,766	54,766	54,766	-----	-----	-----	-----
NONMETALLIC MINERALS, EXCEPT FUELS							
1411 LIMESTONE-----	2,611,280	-----	-----	-----	2,611,280	2,611,280	-----
1412 BUILDING STONE, UNWORKED-----	25,760	-----	-----	-----	25,760	25,760	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	1,538,754	1,079,008	1,079,004	4	459,746	409,111	50,635
1451 CLAY-----	179,751	10,868	1	10,867	168,883	116,068	52,815
1491 SALT-----	2,338,362	1,556,988	1,556,975	13	781,374	741,076	40,298
1492 SULPHUR, DRY-----	260	-----	-----	-----	260	260	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	65,672	-----	-----	-----	65,672	65,652	20
1499 NONMETALLIC MINERALS, NEC-----	165,489	140,375	87,535	52,840	25,114	20,110	5,004
ORDNANCE & ACCESSORIES							
1911 ORDNANCE AND ACCESSORIES-----	167	167	119	48	-----	-----	-----
FOOD & KINDRED PRODUCTS							
2011 MEAT, FRESH, CHILLED, FROZEN-----	164	122	-----	122	42	-----	42
2012 MEAT AND PRODUCTS, NEC-----	95	56	46	10	39	-----	39
2014 TALLOW, ANIMAL FATS AND OILS-----	35,349	-----	-----	-----	35,349	86	35,263
2015 ANIMAL BY-PRODUCTS, NEC-----	2,298	185	165	20	2,113	395	1,718
2021 DAIRY PRODUCTS, NEC-----	795	69	-----	69	726	-----	726
2022 DRIED MILK AND CREAM-----	40,698	-----	-----	-----	40,698	-----	40,698
2031 FISH AND SHELLFISH, PREPARED-----	32	32	-----	32	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	957	937	523	414	20	-----	20
2039 PREP FRUIT AND VEG JUICE, NEC-----	4,279	4,279	2,649	1,430	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	35,041	-----	-----	-----	35,041	-----	35,041
2042 ANIMAL FEEDS-----	14,634	524	137	387	14,310	-----	14,310
2049 GRAIN MILL PRODUCTS, NEC-----	130,769	688	361	327	130,081	-----	130,081
2061 SUGAR-----	11,602	11,602	2,756	8,846	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	9,564	9,489	3,087	6,402	75	10	65
2091 VEGETABLE OILS, FARG, SHORT-----	20,342	1,731	-----	1,731	18,651	-----	18,651
2092 ANIMAL OILS AND FATS, NEC-----	73	73	-----	73	-----	-----	-----
2095 ICE-----	257	257	-----	257	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	38,904	2,025	163	1,862	36,879	-----	36,879
TOBACCO PRODUCTS							
2111 TOBACCO MANUFACTURES-----	26	26	-----	26	-----	-----	-----
BASIC TEXTILES							
2211 BASIC TEXTILE PRODUCTS-----	16,356	16,297	270	16,027	59	2	57
APPAREL & OTHER FINISHED TEXTILE PRODUCTS, INCLUDING KNIT							
2311 APPAREL-----	1,156	152	17	135	1,004	-----	1,004
LUMBER & WOOD PRODS., EXC. FURNITURE							
2411 LOGS-----	6,062	-----	-----	-----	6,062	4,564	1,498
2415 FUEL WOOD, CHARCOAL, WASTES-----	20	-----	-----	-----	20	-----	20
2416 WOOD CHIPS, STAVES, HOLDINGS-----	22	22	-----	22	-----	-----	-----
2421 LUMBER-----	27,341	24,877	23,965	112	3,244	1,940	1,324
2431 VENEER, PLYWOOD, WORKED WOOD-----	2,802	719	580	139	2,083	244	1,839



## NATIONAL SUMMARIES

17

TABLE 28--SUMMARY OF FOREIGN COMMERCE AT GREAT LAKES PORTS, BY COMMODITY, CALENDAR YEAR 1986--CONTINUED

(IN TONS OF 2,000 POUNDS)

COMMODITY	TOTAL	IMPORTS			EXPORTS		
		TOTAL	CANADIAN	OVERSEAS	TOTAL	CANADIAN	OVERSEAS
LUMBER & WOOD PRODS., EXC. FURNITURE (CONTINUED)							
2491 WOOD MANUFACTURES, NEC-----	195	133	29	104	62	68	14
FURNITURE & FIXTURES							
2511 FURNITURE AND FIXTURES-----	2,099	2,099	319	1,780	-----	-----	-----
PULP, PAPER & ALLIED PRODUCTS							
2611 PULP-----	156,057	155,448	51,521	103,927	609	65	544
2621 STANDARD NEWSPRINT PAPER-----	134,475	134,475	134,475	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	4,188	3,291	1,022	2,269	897	517	380
2691 PULP AND PAPER PRODUCTS, NEC-----	623	482	212	270	141	14	127
PRINTED MATTER							
2711 PRINTED MATTER-----	485	283	37	246	202	133	69
CHEMICALS & ALLIED PRODUCTS							
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	53,487	53,487	53,035	452	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	10	-----	-----	-----	10	-----	10
2813 ALCOHOLS-----	26,967	26,032	25,464	568	935	-----	935
2817 BENZENE AND TOLUENE-----	46,814	33,310	33,310	-----	13,504	13,504	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	106,857	61,765	43,046	18,719	45,092	40,860	4,232
2821 PLASTIC MATERIALS-----	4,398	3,094	1,017	2,077	1,304	51	1,253
2822 SYNTHETIC RUBBER-----	276	102	2	100	174	4	170
2823 SYNTHETIC (MAN-MADE) FIBERS-----	20	18	18	-----	2	-----	2
2831 DRUGS-----	850	802	393	409	48	-----	48
2841 SOAP-----	4,194	542	163	379	3,652	13	3,639
2851 PAINTS-----	29,002	28,962	7,183	21,779	40	-----	40
2861 GUM AND WOOD CHEMICALS-----	106	87	-----	87	19	-----	19
2871 NITROGENOUS CHEM FERTILIZERS-----	215,004	215,004	38,671	176,333	-----	-----	-----
2872 POTASSIC CHEM FERTILIZERS-----	1,110,251	1,110,251	1,110,251	-----	-----	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	88	-----	-----	-----	88	-----	88
2876 INSECTICIDES, DISINFECTANTS-----	1,319	821	215	606	493	110	383
2879 FERTILIZER AND MATERIALS, NEC-----	55,811	55,789	25,924	29,865	22	-----	22
2891 MISCELLANEOUS CHEMICAL PROD-----	5,597	4,484	2,030	2,454	1,113	41	1,072
PETROLEUM & COAL PRODUCTS							
2911 GASOLINE-----	120,355	113,480	113,451	29	6,875	6,875	-----
2912 JET FUEL-----	6,621	-----	-----	-----	6,621	6,621	-----
2914 DISTILLATE FUEL OIL-----	171,819	150,751	150,751	-----	20,868	20,868	-----
2915 RESIDUAL FUEL OIL-----	248,814	288,150	257,092	31,058	664	664	-----
2916 LUBRICATING OILS AND GREASES-----	48,856	426	819	7	48,030	48,021	9
2917 KEROSENE, PETROLEUM SOLVENTS-----	31,719	31,693	31,693	-----	26	-----	26
2918 ASPHALT, TAR, AND BITUMENS-----	70,331	35,312	35,289	23	35,019	35,019	-----
2920 COKE, PETROLEUM COKE-----	1,275,222	67,226	67,226	-----	1,207,996	864,140	343,856
2921 LIQUEFIED GASES-----	3,600	-----	-----	-----	3,000	3,000	-----
2931 ASPHALT BUILDING MATERIALS-----	326	-----	-----	-----	326	326	-----
2991 PETROLEUM AND COAL PROD, NEC-----	66	56	20	36	10	-----	10
RUBBER & MISC. PLASTIC PRODUCTS							
3011 RUBBER AND MISC PLASTIC PROD-----	4,721	4,397	508	3,889	324	34	270
LEATHER & LEATHER PRODUCTS							
3111 LEATHER AND LEATHER PRODUCTS-----	436	432	65	367	4	-----	4
STONE, CLAY, GLASS, & CONCRETE PROD.							
3211 GLASS AND GLASS PRODUCTS-----	1,749	1,643	545	1,098	126	9	117
3241 BUILDING CEMENT-----	803,062	880,723	860,685	20,038	22,339	22,339	-----
3251 STRUCTURAL CLAY PRODUCTS-----	6,877	6,877	2,010	4,867	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	2,754	2,711	985	1,726	43	21	22
3291 MISC NONMETALLIC MINERAL PROD-----	1,005	950	211	739	55	4	51
PRIMARY METAL PRODUCTS							
3311 PIG IRON-----	45,260	85,260	85,260	-----	-----	-----	-----
3312 SLAG-----	20,095	20,095	20,095	-----	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	804,666	388,500	62	388,438	15,566	-----	15,566
3315 IRON, STEEL SHAPES, EXC SHEET-----	2,341,110	2,334,583	28,085	2,306,298	6,727	-----	6,727
3316 IRON AND STEEL PLATES, SHEETS-----	43,914	16,590	-----	16,590	27,324	-----	27,324
3317 IRON AND STEEL PIPE AND TUBE-----	33,201	32,763	12	32,771	418	-----	418
3318 FERROALLOYS-----	69,393	69,393	31,540	37,853	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	17,003	6,965	1,649	5,076	10,038	2,189	7,849
3321 NONFERROUS METALS, NEC-----	4,818	4,767	1,351	3,436	31	9	22
3322 COPPER ALLOYS, UNWORKED-----	1,109	1,075	253	822	34	-----	34
3323 LEAD AND ZINC, UNWORKED-----	107,096	107,667	350	107,337	3	3	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	15,191	15,164	7,626	7,542	23	-----	23
FABRICATED METAL PRODUCTS, EXCEPT MACHINERY, EXCEPT ELECTRICAL							
3411 FABRICATED METAL PRODUCTS-----	26,457	25,890	7,380	18,510	567	69	498
MACHINERY, EXCEPT ELECTRICAL							
3511 MACHINERY, EXCEPT ELECTRICAL-----	95,096	82,121	4,742	77,379	12,885	779	12,106

TABLE 29--SUMMARY OF FOREIGN COMMERCE AT GREAT LAKES PORTS, BY COMMODITY, CALENDAR YEAR 1986--CONTINUED

(IN TONS OF 2,000 POUNDS)

COMMODITY	TOTAL	IMPORTS			EXPORTS		
		TOTAL	CANADIAN	OVERSEAS	TOTAL	CANADIAN	OVERSEAS
ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES							
3611 ELECTRICAL MACH AND EQUIP-----	6,309	4,078	660	3,418	2,231	54	2,177
TRANSPORTATION EQUIPMENT							
3711 MOTOR VEHICLES, PARTS, EQUIP-----	14,620	17,421	7,256	5,165	2,199	178	2,021
3731 SHIPS AND BOATS-----	442	200	12	188	242	7	235
3791 MISC TRANSPORTATION EQUIPMENT-----	470	417	2	415	53	6	47
INSTRUMENTS, PHOTOGRAPHIC & OPTICAL GOODS, WATCHES & CLOCKS							
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1,824	692	320	372	1,132	143	989
MISC. PRODUCTS OF MANUFACTURING							
3911 MISC MANUFACTURED PRODUCTS-----	1,432	1,016	95	921	16	-----	16
WASTE & SCRAP MATERIALS							
4011 IRON AND STEEL SCRAP-----	1,293,437	595	136	459	1,292,842	18,141	1,274,701
4012 NONFERROUS METAL SCRAP-----	53,934	53,131	1,678	51,453	803	97	706
4022 TEXTILE WASTE, SCRAP, SWEEP-----	27	-----	-----	-----	27	10	17
4024 PAPER WASTE AND SCRAP-----	47	-----	-----	-----	47	47	-----
SPECIAL ITEMS							
9112 COMMODITIES, NEC-----	4,178	2,855	1,682	1,173	1,323	128	1,195
9999 DEPARTMENT OF DEFENSE AND SCI-----	3,684	-----	-----	-----	3,684	-----	3,684

## NATIONAL SUMMARIES

19

TABLE 3--COMMERCE AT SELECTED PORTS EXCLUDING GREAT LAKES PORTS, CALENDAR YEAR 1986  
(IN TONS OF 2,000 POUNDS)

PORT	TOTAL	FOREIGN		DOMESTIC					
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		LOCAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS		
ALABAMA									
GUNTERSVILLE-----	1,812,389	-----	-----	-----	-----	1,245,654	566,735	-----	-----
MOBILE HARBOR-----	37,575,509	7,129,229	11,034,266	33,462	546,714	11,222,331	6,969,581	637,92	-----
ALASKA									
ANCHORAGE-----	1,331,554	126,955	32,535	1,020,233	143,064	4,807	3,960	-----	-----
KAKE HARBOR-----	274,758	-----	45,498	1,287	1,090	203,533	23,350	-----	-----
KETCHIKAN HARBOR-----	2,072,002	56,457	1,034,547	247,278	46,066	618,386	69,018	25	-----
SITKA HARBOR-----	716,551	98,552	110,370	143,619	39,360	324,252	398	-----	-----
SKAGWAY HARBOR-----	639,897	234,257	399,902	5,512	40	186	-----	-----	-----
VALDEZ HARBOR-----	101,118,169	2,626	-----	44,251	101,068,453	-----	2,839	-----	-----
WRANGELL HARBOR-----	386,293	9,453	153,749	13,805	10,183	25,368	173,730	-----	-----
ARKANSAS									
HELENA-----	1,085,045	-----	-----	-----	-----	296,306	788,739	-----	-----
CALIFORNIA									
ELLWOOD-----	503,467	-----	-----	-----	-----	-----	-----	-----	-----
ENCINA-----	253,403	-----	-----	-----	-----	-----	-----	-----	-----
MUMFOLDT HARBOR AND BAY-----	1,505,969	9,633	809,053	522,680	164,603	-----	-----	-----	-----
LONG BEACH HARBOR-----	42,718,268	9,981,865	9,221,402	17,233,822	501,710	4,404,640	959,287	415,54	-----
LOS ANGELES HARBOR-----	39,859,449	10,416,681	8,455,952	9,075,406	3,200,847	957,905	4,442,664	3,309,99	-----
OAKLAND HARBOR-----	8,248,319	2,885,597	2,776,249	318,316	804,279	848,227	615,651	-----	-----
PORT HUENEME-----	521,187	333,881	43,855	101,310	36,825	174	5,140	-----	-----
REDWOOD CITY HARBOR-----	520,577	86,950	212,996	-----	113,434	107,197	-----	-----	-----
RICHMOND HARBOR-----	18,832,511	2,079,741	3,220,481	7,022,870	2,385,361	1,786,987	2,301,044	36,02	-----
SACRAMENTO-----	1,014,524	44,538	592,736	306,273	70,977	-----	-----	-----	-----
SAN DIEGO-----	2,343,960	620,011	463,140	593,462	8,224	59,423	18,900	580,80	-----
SAN FRANCISCO HARBOR-----	2,773,902	1,006,172	468,922	55	26	436,587	845,140	17,00	-----
STOCKTON-----	867,722	440,941	398,264	27,617	-----	900	-----	-----	-----
CONNECTICUT									
BRIDGEPORT HARBOR-----	2,862,887	991,954	1,382	1,775,095	92,544	-----	-----	1,91	-----
NEW HAVEN HARBOR-----	10,064,662	3,062,325	250,969	5,996,792	677,934	-----	-----	76,64	-----
NEW LONDON HARBOR-----	473,325	211,271	1,916	230,316	3,320	-----	-----	26,50	-----
NORWALK HARBOR-----	718,590	-----	-----	714,064	-----	-----	-----	4,52	-----
STAMFORD HARBOR-----	581,944	-----	-----	538,411	43,533	-----	-----	-----	-----
DELAWARE									
NEW CASTLE AND VICINITY-----	9,940,106	3,767,183	20,102	199,229	1,854,379	2,907,035	1,184,151	8,02	-----
WILMINGTON HARBOR-----	3,819,974	2,173,242	243,015	200,776	468,245	517,369	216,761	56	-----
DISTRICT OF COLUMBIA									
WASHINGTON HARBOR-----	578,838	-----	-----	-----	-----	578,838	-----	-----	-----
FLORIDA									
CANAVERAL HARBOR-----	2,374,127	1,423,759	175,426	485,594	82	14,061	275,205	-----	-----
CHARLOTTE HARBOR-----	1,392,845	24	-----	97,107	-----	1,036	1,299,192	48	-----
JACKSONVILLE HARBOR-----	12,441,812	3,500,445	2,081,543	4,000,437	1,165,514	130,241	715,190	753,44	-----
MIAMI HARBOR-----	4,481,641	1,692,600	1,044,824	407,267	1,172,299	12,484	152,167	-----	-----
PALM BEACH HARBOR-----	2,321,544	759,156	870,902	237,740	452,434	902	410	-----	-----
PANAMA CITY HARBOR-----	2,786,990	59,303	334,762	-----	-----	2,305,328	87,597	-----	-----
PENSACOLA HARBOR-----	1,938,564	122,739	326,312	-----	278,187	867,554	343,792	-----	-----
PORT EVERGLADES HARBOR-----	11,536,078	3,578,804	330,590	7,163,173	448,405	4,924	10,182	-----	-----
TAMPA HARBOR-----	39,909,011	4,571,952	11,218,557	16,286,044	7,785,083	7,933	6,396	33,04	-----
WEDDON ISLAND-----	867,004	-----	-----	-----	-----	-----	-----	-----	-----
GEORGIA									
BRUNSWICK HARBOR-----	1,371,032	946,343	234,567	150	4,548	131,556	40,600	13,24	-----
SAVANNAH HARBOR-----	12,041,148	5,839,312	4,038,936	1,348,278	465,160	29,734	217,819	101,90	-----
HAWAII									
BARBERS POINT HARBOR, OAHU-----	5,629,312	2,911,284	200,650	2,241,457	274,696	-----	1,225	-----	-----
HILO HARBOR, HAWAII-----	1,198,692	18,315	28,259	698,064	454,054	-----	-----	-----	-----
HONOLULU HARBOR, OAHU-----	8,603,760	632,632	150,514	4,343,436	3,301,853	7,395	46,672	121,25	-----
KAHULUI HARBOR, MAUI-----	1,626,650	43,379	78,485	873,387	631,399	-----	-----	-----	-----
KAUNALAPAI HARBOR, LANAI-----	330,342	-----	-----	-----	-----	-----	-----	-----	-----
KAHAIHAE HARBOR, HAWAII-----	592,018	10,000	15,813	255,648	310,557	-----	-----	-----	-----
WAILIHI HARBOR, KAUAI-----	745,396	5,522	1	439,921	299,952	-----	-----	-----	-----
INDIANA									
MOUNT VERNON-----	6,003,767	-----	-----	-----	1,200	831,507	5,171,080	-----	-----

\* TONNAGE BY TYPE OF TRAFFIC NOT REPORTED.

# Waterborne Commerce of the United States. 1986

TABLE 3--COMMERCE AT SELECTED PORTS EXCLUDING GREAT LAKES PORTS, CALENDAR YEAR 1986--CONTINUED

(IN TONS OF 2,000 POUNDS)

PORT	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
KENTUCKY								
LOUISVILLE-----	9,869,409	-----	-----	-----	-----	6,531,595	3,337,814	-----
LOUISIANA								
BATON ROUGE-----	77,184,199	6,755,623	15,417,765	7,416,424	3,858,054	18,365,776	22,264,046	1,106,51
LAKE CHARLES (CALCASIEU RIVER AND PASS)-----	30,920,514	13,992,040	4,137,720	271,505	2,606,799	4,294,148	5,072,220	546,08
LAKE PROVIDENCE-----	1,064,875	-----	-----	-----	-----	881,102	182,973	-----
NEW ORLEANS-----	149,082,110	17,441,166	37,867,922	3,121,668	11,516,053	56,747,662	19,150,252	3,237,39
MAINE								
BUCKSPORT HARBOR-----	595,377	463,123	-----	65,783	-----	-----	66,471	-----
PORTLAND HARBOR-----	6,991,527	4,188,296	62,959	2,436,573	175,548	15,504	-----	120,64
SEARSPORT HARBOR-----	978,959	645,358	5,086	314,547	13,974	-----	-----	-----
MARYLAND								
BALTIMORE HARBOR AND CHANNELS-----	35,432,498	13,623,061	10,504,264	2,311,028	3,440,880	2,213,017	953,814	2,386,43
MASSACHUSETTS								
FALL RIVER HARBOR-----	5,438,191	741,023	219	4,216,456	168,405	132,581	166,467	10,64
NEW BEDFORD AND FAIRHAVEN HARBOR-----	345,843	47,053	2,795	211,684	7,819	33,700	1	42,84
PORT OF BOSTON-----	21,035,972	10,585,681	503,141	9,119,851	1,092,045	35,940	-----	699,31
SALEM HARBOR-----	1,694,500	540,858	-----	1,140,508	13,134	-----	-----	-----
MINNESOTA								
MINNEAPOLIS-----	1,459,864	-----	-----	-----	-----	736,204	723,660	-----
ST. PAUL-----	7,807,179	-----	-----	-----	-----	3,744,939	4,056,365	5,87
MISSISSIPPI								
BILOXI HARBOR-----	2,601,224	-----	-----	-----	-----	2,492,805	108,419	-----
GREENVILLE-----	2,027,897	-----	-----	-----	-----	1,358,946	668,151	-----
GULFPORT HARBOR-----	1,212,982	723,631	238,694	-----	-----	216,843	33,614	-----
NATCHEZ-----	544,904	-----	-----	-----	-----	195,233	349,671	-----
PASCAGOULA HARBOR-----	23,699,885	11,870,897	2,975,967	57,966	4,295,237	982,825	3,488,255	28,73
VICKSBURG-----	3,123,161	-----	-----	-----	-----	2,220,319	895,062	7,80
MISSOURI								
PORT OF KANSAS CITY-----	2,582,340	-----	-----	-----	-----	505,643	560,097	1,516,60
PORT OF METROPOLITAN ST. LOUIS-----	28,003,141	-----	-----	-----	-----	7,185,420	18,628,062	2,189,65
NEW HAMPSHIRE								
PORTSMOUTH HARBOR-----	3,487,098	1,567,181	297,881	1,571,770	30,767	-----	-----	19,49
NEW JERSEY								
CAMDEN & GLOUCESTER-----	6,646,455	2,289,432	1,244,795	829,866	493,137	930,252	833,537	45,43
PAULSBORO AND VICINITY-----	17,761,722	10,822,686	270,771	812,775	1,481,729	2,541,542	1,693,571	138,64
TRENTON HARBOR-----	846,085	-----	-----	-----	-----	846,085	-----	-----
NEW YORK								
NEWSTEAD HARBOR-----	1,147,607	-----	-----	1,139,085	8,522	-----	-----	-----
NORTHPORT HARBOR-----	260,897	-----	-----	7,818	252,259	-----	-----	-----
PORT JEFFERSON HARBOR-----	3,597,463	348,775	-----	3,063,942	185,146	-----	-----	-----
PORT OF ALBANY-----	6,870,639	2,508,732	131,965	270,743	9,564	3,706,538	174,531	68,56
PORT OF NEW YORK-----	157,800,967	46,592,136	6,162,688	27,972,257	26,507,331	2,657,599	14,314,126	33,594,91
TARRYTOWN HARBOR-----	270,181	-----	-----	-----	-----	270,181	-----	-----
NORTH CAROLINA								
MOREHEAD CITY HARBOR-----	5,195,665	540,486	1,445,378	413,397	54,649	1,666,744	662,381	12,65
PORT OF WILMINGTON-----	6,586,947	2,369,024	689,460	2,729,811	6,650	24,318	751,224	16,46
OHIO								
CINCINNATI-----	12,275,613	-----	-----	1,400	-----	4,855,922	3,319,590	98,70
OREGON								
COOS BAY-----	6,054,603	7,116	4,129,217	289,968	135,403	1,156,226	-----	336,67
OREGON SLOUGH (NORTH PORTLAND HARBOR)-----	631,713	-----	-----	35,780	116,112	291,464	188,357	-----
PORT OF ASTORIA-----	1,137,325	78,545	398,952	3,352	5,878	331,847	312,801	5,95
PORT OF PORTLAND-----	25,589,684	2,264,148	11,570,694	2,748,405	413,080	5,431,760	2,097,568	1,063,82
YAGUINA BAY AND HARBOR-----	288,107	-----	185,312	-----	90,109	12,686	-----	-----

## NATIONAL SUMMARIES

21

TABLE 3--COMMERCE AT SELECTED PORTS EXCLUDING GREAT LAKES PORTS, CALENDAR YEAR 1986--CONTINUED

(IN TONS OF 2,000 POUNDS)

PORT	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
PENNSYLVANIA								
CHESTER-----	729,863	20,154	7,804	-----	-----	697,076	4,829	-----
MARCUS HOOK AND VICINITY-----	30,253,895	17,662,722	45,179	2,698,820	2,120,141	3,754,974	3,457,333	294,72
PENN. MANDR AND VICINITY-----	2,102,936	1,850,643	75	-----	-----	252,216	-----	-----
PHILADELPHIA HARBOR-----	35,661,183	19,929,866	4,220,129	654,236	2,180,603	5,319,721	2,455,186	901,42
PITTSBURGH-----	26,709,091	-----	-----	-----	-----	20,374,134	3,278,176	3,056,78
RHODE ISLAND								
NEWPORT HARBOR-----	273,894	261,266	-----	-----	1,949	10,683	-----	-----
PROVIDENCE RIVER AND HARBOR-----	7,496,002	2,287,905	499,192	3,836,733	201,908	349,110	116,852	204,30
SOUTH CAROLINA								
CHARLESTON HARBOR-----	9,158,413	2,964,351	2,883,844	3,017,451	67,808	122,481	12,686	89,78
GEORGETOWN HARBOR (MAYAN BAY)-----	458,978	362,885	9,792	5,000	5,048	14,489	61,764	-----
TENNESSEE								
CHATTANOOGA-----	3,077,115	-----	-----	-----	380	2,921,095	155,640	-----
KNOXVILLE-----	493,703	-----	-----	-----	-----	301,420	192,283	-----
MEMPHIS-----	10,984,848	-----	-----	-----	-----	8,353,206	2,478,421	153,22
PORT OF NASHVILLE-----	3,734,447	-----	-----	-----	-----	3,493,812	240,635	-----
TEXAS								
BEAUMONT-----	27,453,660	4,615,077	3,392,164	3,229,010	3,038,813	7,834,723	5,093,039	250,83
BROWNSVILLE-----	1,212,743	191,833	285,788	4,238	-----	678,442	52,442	-----
CORPUS CHRISTI-----	48,053,926	21,977,787	3,819,746	839,292	7,724,816	2,540,908	8,807,903	2,343,47
FREEDPORT HARBOR-----	13,370,117	4,307,213	1,004,324	4,027,944	198,848	2,493,145	1,290,447	48,19
GALVESTON (GALVESTON CHANNEL)-----	7,987,857	1,246,941	5,050,966	251,260	779,303	446,776	206,777	3,83
HARBOR ISLAND-----	2,066,196	1,623,621	-----	-----	-----	138,098	304,477	-----
HOUSTON (HOUSTON SHIP CHANNEL)-----	101,659,064	31,523,163	18,310,962	3,943,385	8,530,429	17,451,023	14,114,491	7,785,61
MATAGORDA SHIP CHANNEL-----	4,858,515	3,406,887	165,390	-----	-----	556,353	729,885	-----
ORANGE-----	661,570	-----	8,739	-----	-----	585,490	67,341	-----
PORT ARTHUR-----	18,879,546	8,541,410	2,528,947	121,100	2,847,897	1,160,551	3,442,361	37,28
PORT ISABEL-----	291,713	-----	-----	-----	-----	106,276	185,437	-----
SABINE PASS HARBOR-----	385,202	8	32,284	65,238	-----	27,857	259,815	-----
TEXAS CITY (TEXAS CITY CHANNEL)-----	35,479,909	16,328,783	1,697,673	5,140,468	2,884,605	4,550,107	4,713,867	164,40
VICTORIA-----	3,078,476	-----	-----	-----	-----	1,054,772	2,023,704	-----
VIRGINIA								
NOFOLK HARBOR-----	44,069,234	4,761,396	28,697,214	816,861	1,869,256	4,280,443	2,879,954	764,11
PORT OF HOPEWELL-----	1,427,387	69,728	533,347	7,500	67,649	358,911	390,252	-----
PORT OF NEWPORT NEWS-----	18,531,414	1,076,924	15,652,517	2,219	152,629	655,274	965,075	26,77
PORT OF RICHMOND-----	2,364,010	141,962	189,517	171,445	207,651	1,103,899	549,536	-----
WASHINGTON								
ANACORTES HARBOR-----	12,746,694	1,151,851	788,517	7,853,298	1,698,297	396,433	852,142	6,15
BELLINGHAM BAY AND HARBOR-----	1,775,870	315,310	354,788	115,109	484,031	304,517	242,111	-----
EVERETT HARBOR AND SKOMOMISH RIVER-----	5,797,428	534,699	1,612,607	9	11,580	1,464,237	589,887	1,584,40
GRAYS HARBOR AND CEMALIS RIVER-----	4,579,613	4,553	2,717,724	14,694	88,571	12,761	1,315,776	423,53
HAMMERLEY INLET-----	365,852	-----	-----	-----	-----	2,654	363,198	-----
OLYMPIA HARBOR-----	1,198,510	6,584	298,726	-----	-----	117,810	168,317	607,07
PORT ANGELES HARBOR-----	3,309,844	176,350	2,311,987	-----	4,875	341,224	259,100	216,30
PORT GAMBLE HARBOR-----	650,644	-----	-----	-----	152,914	331,444	166,282	-----
PORT OF KALAMA-----	2,043,863	45,261	1,657,126	-----	12,700	301,589	27,187	-----
PORT OF LONGVIEW-----	10,312,822	781,412	8,833,873	91,243	121,568	1,549,299	786,128	149,29
PORT OF VANCOUVER-----	2,852,455	576,395	280,613	18,349	8,579	1,800,214	168,305	-----
PORT TOWNSEND HARBOR-----	534,746	264,406	28,910	-----	-----	203,967	37,463	-----
SEATTLE HARBOR-----	17,097,938	4,901,232	4,125,603	1,221,058	1,153,548	3,402,566	1,065,665	1,226,24
TACOMA HARBOR-----	16,173,088	3,973,323	6,731,988	1,827,375	883,724	1,560,978	680,923	514,77
WEST VIRGINIA								
HUNTINGTON-----	20,851,767	-----	-----	-----	-----	371,814	20,475,778	4,17
PUERTO RICO								
INTRATERRITORY								
MAYAGUEZ HARBOR-----	400,019	318,292	9,348	45,760	8,601	15,088	2,930	-----
PONCE HARBOR-----	632,726	533,657	58,494	3,150	-----	33,232	4,193	-----
SAN JUAN HARBOR-----	12,361,283	4,431,875	579,970	4,652,498	1,098,477	1,498,672	99,791	-----
VIRGIN ISLANDS								
CHRISTIANSTED HARBOR, ST. CROIX-----	494,929	252,051	126,786	-----	-----	116,020	72	-----
ST. THOMAS HARBOR-----	354,650	143,923	23,747	90	-----	171,677	15,213	-----

## Waterborne Commerce of the United States, 1986

TABLE 3A--COMMERCE AT SELECTED AREAS, CALENDAR YEAR 1986  
(IN TONS OF 2,000 POUNDS)

AREA	NET TOTAL (DUPLICATIONS IN AREA ELIMINATED)	TOTAL	FOREIGN		DOMESTIC			
			IMPORTS	EXPORTS	COASTWISE	LAKELINE	INTERNAL	LOCAL
DELAWARE RIVER AND TRIBUTARIES, TRENTON, N. J., TO THE SEA								
BURLINGTON-FLORENCE-ROEBLING, N. J.		409,134	235,556	1,396			172,182	
CAMDEN-GLOUCESTER, N. J.		6,666,455	2,289,432	1,244,795	1,323,003		1,763,789	45,436
CHESTER, PA.		729,863	20,154	7,804			701,905	
LOWER DELAWARE BAY, DEL.		13,944,738	3,860,323		148,804		9,935,611	
MARCUS HOOK, PA., AND VICINITY		30,253,895	17,682,722	45,179	5,018,961		7,212,307	294,726
NEW CASTLE, DEL., AND VICINITY		9,940,106	3,767,183	20,102	2,053,608		4,091,186	8,027
PAULSBORO, N. J., AND VICINITY		17,761,722	10,822,686	270,771	2,294,504		4,235,113	138,648
PENN HANOR, PA., AND VICINITY		2,102,936	1,850,643	75			252,218	
PENNSGROVE-CARNEY POINT, N. J.		283,111	51,554	36,883	69,272		125,402	
PHILADELPHIA HARBOR, PA.		35,661,183	19,929,886	4,220,129	2,834,839		7,774,907	901,422
THOMPSON POINT, N. J., AND VICINITY		413,999	57,013		76,297		280,689	
TRENTON HARBOR, N. J.		846,085					846,085	
WILMINGTON HARBOR, DEL.		3,819,974	2,173,242	243,015	669,021		734,130	566
OTHER		74,181					70,179	4,002
TOTAL	106,104,476	122,907,382	62,740,394	6,090,149	14,488,309		38,195,703	1,392,627
HAMPTON ROADS, VA.								
HAMPTON CREEK, VA.		524,507					524,507	
NORFOLK HARBOR, VA.		44,069,234	4,761,396	28,697,214	2,686,117		7,160,397	764,110
PORT OF NEWPORT NEWS, VA.		18,531,414	1,076,924	15,652,517	154,848		1,620,349	26,776
TOTAL	62,738,062	63,125,155	5,838,320	44,349,731	2,840,965		9,305,253	790,886
CORPUS CHRISTI BAY, TEX.								
CORPUS CHRISTI, TEX.		48,053,926	21,977,787	3,819,746	8,564,108		11,348,811	2,343,474
HARBOR ISLAND, TEX.		2,066,196	1,623,621				442,575	
TOTAL	50,104,579	50,120,122	23,601,408	3,819,746	8,564,108		11,791,386	2,343,474
SAN FRANCISCO BAY, CALIF.								
CARQUINEZ STRAIT, CALIF.		18,108,395	1,408,252	2,748,797	10,225,932		3,617,637	107,777
OAKLAND HARBOR, CALIF.		8,248,319	2,885,597	2,776,249	1,122,595		1,463,878	
REDWOOD CITY, CALIF.		520,577	86,950	212,996	113,434		107,197	
RICHMOND HARBOR, CALIF.		18,832,511	2,079,741	3,220,481	9,408,231		4,088,031	36,027
SACRAMENTO RIVER, CALIF.		1,208,832	44,538	592,736	377,250		192,308	2,000
SAN FRANCISCO HARBOR, CALIF.		2,773,902	1,006,172	468,922	81		1,261,727	17,000
SAN JOAQUIN RIVER AND TRIBUTARIES		2,360,313	1,012,704	759,718	119,891		462,975	5,025
SAN PABLO BAY AND MARIE ISLAND STRAIT, CALIF.		6,437,837	182,091	447,401	4,562,499		1,234,146	11,700
SUISUN BAY CHANNEL, CALIF.		2,348,895		328,120	1,567,574		453,201	
OTHER		18,205,463	96,954	133,900	6,595,759		10,557,580	821,270
TOTAL	67,473,047	79,045,044	8,802,999	11,689,320	34,093,246		23,458,680	1,000,799
CHICAGO, ILL. AND IND.								
BUFFINGTON HARBOR, IND.		576,196	18,908	129,182		428,106		
GARY HARBOR, IND.		3,698,910		30,309		3,588,728	79,873	
INDIANA HARBOR, IND.		14,014,139	594,681	74,762		12,671,356	662,950	10,390
PORT OF CHICAGO, ILL.		24,330,497	2,447,641	928,500		3,929,776	14,693,800	2,330,780
TOTAL	42,109,836	42,619,742	3,061,230	1,162,753		20,617,966	15,436,623	2,341,170

## NATIONAL SUMMARIES

23

TABLE 4--COMMENCE AT SELECTED PORTS ON THE GREAT LAKES, CALENDAR YEAR 1966

(IN TONS OF 2,000 POUNDS)

PORT	TOTAL	FOREIGN				DOMESTIC							
		IMPORTS		EXPORTS		LAKEWIDE		COASTWIDE		INTERNAL	LOCAL		
		CANADIAN	OVERSEAS	CANADIAN	OVERSEAS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS				
ILLINOIS													
PORT OF CHICAGO	24,330,497	1,150,487	1,297,154	503,600	424,900	2,586,696	1,343,080			14,693,800	2,330,780		
HAUKEGAN HARBOR	464,213					464,213							
INDIANA													
BUFFINGTON HARBOR	576,196												
BURNS WATERWAY HARBOR	6,749,676	700,998	70,813	117,312	233,744	4,741,296	32,833			852,678			
GARY HARBOR	3,698,910												
INDIANA HARBOR	14,014,139	393,042	201,639	55,091	19,671	11,054,915	1,616,441			662,950	19,399		
MICHIGAN													
ALABASTER	628,242												
ALPENA HARBOR	2,393,224	1,987	55	183,671		265,990	1,941,571						
CALCITE	6,883,059												
DRUMMOND ISLAND	1,309,619			197,057		9,220	1,094,334						
ESCANABA	8,720,235												
GRAND HAVEN HARBOR AND GRAND RIVER	1,377,201	171,750		326,705	54,282	566,936	257,520						
HOLLAND HARBOR	419,702			56,647	21,207	361,840							
LUDINGTON HARBOR	720,900				3,309	285,507	432,088						
MANISTEE HARBOR	285,197	19,356				265,841							
MARINE CITY	381,656					381,656							
MARQUETTE HARBOR	356,823					356,740					83		
MONROE HARBOR	622,757	27,672		19		595,086							
MUSKOGON HARBOR	1,152,700	14,160	8,297		60,125	1,099,819	10,379						
ONTONAGON HARBOR	265,763					264,923	840						
PORT DOLOMITE	1,722,313												
PORT GYPSUM	409,942												
PORT HURON	514,010	60	7,282	36,402	34	475,232							
PORT INLAND	2,638,166												
PORT OF DETROIT	19,219,322	1,128,156	1,011,550	159,942	741,958	11,886,490	367,775				3,451		
PREQUE ISLE HARBOR	4,701,530			1,731,794		720,297	2,249,439						
ST. CLAIR	6,608,104					6,608,104							
ST. JOSEPH HARBOR	432,818					432,818							
STONEPORT	6,642,565												
TRAVERSE CITY HARBOR	307,774	7,525				300,249							
MINNESOTA													
DULUTH - SUPERIOR HARBOR	29,155,300	434,088	59,196	2,506,176	2,882,871	1,328,809	21,805,501				134,659		
SILVER BAY	1,636,510												
TACONITE HARBOR	6,101,942												
TWO HARBORS (AGATE BAY)	6,608,616						6,608,613				3		
NEW YORK													
OSWEGO HARBOR	462,648	375,385	27,198			14,899				45,144			
PORT OF BUFFALO	1,628,169	217,959	8,316		91,682	1,304,911	5,301						
OHIO													
ASHTABULA HARBOR	7,163,593	332,130	212,467	2,616,401	13,668	2,901,145	1,087,774						
CLEVELAND HARBOR	12,188,278	1,802,900	582,609	487,292	67,917	8,604,249	643,132						
CONNEAUT HARBOR	7,675,248	27,693		4,816,798	247,211	1,194,539	1,389,007						
FAIRPORT HARBOR	2,492,551	43,402		335,011	40,298	1,616,622	378,291				76,927		
HURON HARBOR	262,720	24,379		9,193	42,624	189,534							
LORAIN HARBOR	11,426,688	84,084	87,555	30,086		6,701,849	4,506,790				19,364		
MARSHFIELD	849,375												
SANDUSKY HARBOR	4,134,889			2,827,811	741	290,350	1,015,987						
TOLEDO HARBOR	17,818,554	1,215,124	429,562	4,565,617	1,409,787	3,097,246	6,912,725				148,493		
PENNSYLVANIA													
ERIE HARBOR	834,141	137,620	43,478		77,097	403,669					172,277		
WISCONSIN													
DULUTH - SUPERIOR HARBOR	29,155,300	434,088	59,196	2,506,176	2,882,871	1,328,809	21,805,501				134,659		
GREEN BAY HARBOR	2,199,701	110,203	94,664	7,383	42,081	1,945,170							
KEWAUNEE HARBOR	382,248					273,740	118,508						
MANITOWOC	396,382					208,737	12,286				83,359		
MILWAUKEE	1,823,143	446,799	54,664	52,468	218,626	1,008,888	35,258				6,480		
PORT WASHINGTON HARBOR	293,363					293,363							
SHEBOYGAN HARBOR	920,509	31,355				406,317	482,837						

\* TONNAGE BY TYPE OF TRAFFIC NOT REPORTED

## Waterborne Commerce of the United States, 1986

TABLE 3-- COMMERCE ON SELECTED WATERWAYS OF THE UNITED STATES, CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

WATERWAY	TONS	TOTAL TON- MILES (000 OMITTED)	MILES PER TON
ANACOSTIA RIVER, D. C.	576,838	1,155	2
APPOMATTOX RIVER, VA.	1,561,993	12,079	9
ATLANTIC INTRACOASTAL WATERWAY <sup>1</sup>			
BETWEEN NORFOLK, VA., AND THE ST. JOHNS RIVER, FLA. (NET)	4,386,542	369,551	84
U. S. ARMY ENGINEER DISTRICT, NORFOLK - VIA DISMAL SWAMP CANAL ROUTE	247,104	5,288	21
U. S. ARMY ENGINEER DISTRICT, NORFOLK - VIA GREAT BRIDGE LOCK ROUTE	1,298,164	17,943	14
U. S. ARMY ENGINEER DISTRICT, WILMINGTON	2,678,175	216,064	75
U. S. ARMY ENGINEER DISTRICT, CHARLESTON	492,441	68,394	139
U. S. ARMY ENGINEER DISTRICT, SAVANNAH	664,680	50,317	76
U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE	514,101	11,763	23
BAY RIDGE AND RED HOOK CHANNELS, N. Y.	2,118,857	4,474	2
BLACKWATER RIVER, VA.	318,978	4,147	13
BRETON BAY, MD.	819,596	4,917	6
BROOK RIVER, N. Y.	289,974	500	2
BUTTERMILK CHANNEL, N. Y.	642,152	1,293	2
CAPE COD CANAL, MASS.	15,814,429	282,583	18
CAPE FEAR RIVER ABOVE WILMINGTON, N. C.	182,465	5,617	32
CHANNEL TO NEWPORT NEWS, VA.	25,707,643	128,505	5
CHELSEA RIVER, MASS.	11,411,589	30,776	3
CHOPTANK RIVER, MD.	371,890	5,287	14
CHOWAN RIVER, N. C.	322,613	14,855	46
CONEY ISLAND CHANNEL, N. Y.	2,353,681	2,354	1
CONNECTICUT RIVER BELOW HARTFORD, CONN.	1,719,538	63,147	37
DELAWARE BAY - CHESAPEAKE BAY WATERWAY - VIRGINIA PORTION	57,313	5,333	93
DELAWARE RIVER <sup>1</sup>			
TRENTON, N. J., TO THE SEA (NET)	108,714,523	8,329,846	77
AT CAMDEN, N. J.	3,691,054	#	-----
BETWEEN PHILADELPHIA, PA., AND TRENTON, N. J.	8,209,711	116,677	14
PHILADELPHIA, PA., TO THE SEA	108,540,447	8,211,169	76
EAST CHESTER CREEK, N. Y.	1,451,059	7,045	5
EAST RIVER, N. Y.	39,859,276	542,002	14
EAST ROCKAWAY INLET, N. Y.	1,385,539	1,386	1
FLUSHING BAY AND CREEK, N. Y.	1,984,221	4,320	2
GOMANUS CANAL, N. Y.	780,475	1,106	1
GOMANUS CREEK CHANNEL, N. Y.	2,181,605	2,162	1
GRAVESEND BAY, N. Y.	1,856,451	2,022	1
HACKENSACK RIVER, N. J.	2,568,786	18,991	7
HAMPTON CREEK, VA.	524,507	1,564	3
HARLEM RIVER, N. Y.	781,283	3,076	4
HOUSATONIC RIVER, CONN.	431,802	2,159	5
HUDSON RIVER <sup>1</sup>			
DEEP WATER IN UPPER BAY, N. Y., TO WATERFORD, N. Y. (NET)	20,670,211	1,441,914	70
MOUTH OF SPUYTEN DUYVIL CREEK (HARLEM RIVER) TO WATERFORD, N. Y.	17,753,912	1,235,655	70
HUDSON RIVER CHANNEL, N. Y. AND N. J.	20,390,661	208,258	10
INLAND WATERWAY FROM DELAWARE RIVER TO CHESAPEAKE BAY, DEL. AND MD. - CHESAPEAKE AND DELAWARE CANAL	15,233,159	700,612	46
INTRACOASTAL WATERWAY <sup>1</sup>			
JACKSONVILLE TO MIAMI, FLA.	323,124	5,941	18
MIAMI TO KEY WEST, FLA.	1,038,984	74,418	72
JAMAICA BAY, N. Y.	3,067,595	36,777	12
JAMES RIVER, VA.	10,733,540	668,566	62
LITTLE RIVER (CREEK), VA.	378,249	378	1
LOWER ENTRANCE CHANNELS, NEW YORK HARBOR, N. Y.	98,454,860	984,585	10
MIAMI RIVER, FLA.	481,473	1,443	3
MYSTIC RIVER, MASS.	4,645,197	4,699	1
NANTICOKE RIVER (INCLUDING NORTHWEST FORK), DEL. AND MD.	280,284	9,252	33
NARROWS OF LAKE CHAMPLAIN, N. Y. AND VT.	167,121	3,008	18
NEW YORK AND NEW JERSEY CHANNELS, N. Y. AND N. J.	114,618,813	1,146,126	10
NEWARK BAY, N. J.	27,919,341	70,316	3
NEWPORT NEWS CREEK, VA.	304,160	304	1
NEWTOWN CREEK, N. Y.	3,037,778	4,896	2
NORTHEAST (CAPE FEAR) RIVER, N. C.	521,148	2,606	5
OCCOQUAN CREEK, VA.	616,698	4,900	6
OSTER BAY, N. Y.	270,822	345	1
PAWLICO AND TAR RIVERS, N. C.	2,284,550	57,230	25
PASSAIC RIVER, N. J.	7,580,618	13,296	2
PENOBSCOT RIVER, MAINE	1,344,107	19,091	14
PISCATAQUA RIVER, MAINE AND N. H.	3,487,098	13,027	4
POCONOKE RIVER, MD. AND VA.	184,640	2,954	16
POTOMAC RIVER BELOW WASHINGTON, D. C.	3,667,183	226,675	62
RARITAN RIVER TO ARTHUR KILL CUT-OFF CHANNEL, N. J.	2,629,792	2,630	1
RARITAN RIVER, N. J.	3,452,023	8,535	2
ROANOKE RIVER, N. C.	115,102	4,445	39
SCHUYLKILL RIVER, PA.	7,656,083	24,462	3
SHIPYARD RIVER, S. C.	1,788,173	1,788	1
ST. JOHNS RIVER, FLA., JACKSONVILLE TO LAKE HARNET	379,396	40,358	106
SUSQUEHANNA RIVER ABOVE AND BELOW HAVRE DE GRACE, MD.	707,047	5,651	8
THAMES RIVER, CONN.	427,414	2,414	6
UPPER BAY, NEW YORK HARBOR, N. Y. AND N. J.	137,883,295	451,227	3
WYOMOUTH FORD RIVER, MASS.	1,566,155	12,450	8
WICOMICO RIVER (EASTERN SHORE), MD.	800,378	19,657	25
WILMINGTON HARBOR, N. C. (SEE PORT OF WILMINGTON, N.C., FOR PORT DATA)	6,806,915	170,797	25
YORK RIVER, VA.	4,786,711	43,793	9
CALUMET - SAG CHANNEL, ILL.	7,503,147	167,319	22
CHANNELS IN LAKE ST. CLAIR, MICH.	55,829,269	#	-----
CHICAGO RIVER (MAIN AND NORTH BRANCH), ILL.	2,677,886	3,597	1
CHICAGO RIVER (SOUTH BRANCH), ILL.	3,333,761	13,585	4
CHICAGO SANITARY AND SHIP CANAL, ILL.	19,524,046	276,162	14
DETROIT RIVER, MICH.	61,733,266	1,628,090	26

<sup>1</sup> INCLUDED IN DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA.<sup>2</sup> INCLUDED IN ST. CLAIR RIVER, MICH.

# TON-MILES NOT REPORTED.



## NATIONAL SUMMARIES

25

TABLE 5-- COMMERCE ON SELECTED WATERWAYS OF THE UNITED STATES, CALENDAR YEAR 1966--CONTINUED  
(IN TONS OF 2,000 POUNDS)

WATERWAY	TONS	TOTAL TON- MILES (000 OMITTED)	MILES PER TON
GRAYS REEF PASSAGE, MICH.,-----	3,988,421	"	-----
ILLINOIS WATERWAY, ILL.,-----	43,627,158	8,544,919	197
ROUGE RIVER, MICH.,-----	8,190,622	"	-----
SAGINAW RIVER, MICH.,-----	3,917,116	"	-----
ST. CLAIR RIVER, MICH.,-----	65,349,529	2,166,481	33
ST. MARYS FALL CANAL, MICHIGAN AND SAULT STE. MARIE, ONTARIO SHIP CANAL, CANADA-----	51,407,956	"	-----
ST. MARYS RIVER, MICH.,-----	51,052,673	3,036,099	59
STURGEON BAY AND LAKE MICHIGAN SHIP CANAL, WIS.,-----	469,644	"	-----
ALABAMA - COOSA RIVERS, ALA. AND GA.,-----	4,087,357	664,697	163
APALACHICOLA, CHATTANOOCHEE, AND FLINT RIVERS, GA. AND FLA.,-----	902,895	86,849	96
ATCHAFALAYA RIVER, LA., MORGAN CITY TO GULF OF MEXICO-----	5,605,856	198,729	35
BARATARIA BAY WATERWAY, LA.,-----	1,307,500	11,844	9
BAYOU CASOTTE, MISS.,-----	22,100,761	103,430	5
BAYOU LAFOURCHE AND LAFOURCHE - JUMP WATERWAY, LA.,-----	826,235	15,148	18
BAYOU LITTLE CAILLOU, LA.,-----	944,657	4,267	5
BAYOU TECHE AND VERMILION RIVER, LA.,-----	891,971	15,842	18
BAYOU TECHE, LA.,-----	1,006,243	33,291	33
BAYOU TERREBONNE, LA.,-----	181,172	4,024	22
BLACK WARRIOR AND TOMBIGBEE RIVERS, ALA.,-----	17,870,712	4,687,156	262
BRAZOS ISLAND HARBOR, TEX. (WATERWAY)-----	1,504,456	"	-----
CALCASIEU RIVER AND PASS, LA.,-----	30,920,514	807,017	26
CEDAR BAYOU, TEX.,-----	275,900	927	3
CHANNEL TO PALACIOS, TEX.,-----	4,858,515	121,453	25
CHANNEL TO VICTORIA, TEX.,-----	3,078,476	77,238	25
CHICKASAW CREEK, ALA.,-----	6,301,070	12,186	2
CHOCOLATE BAYOU, TEX.,-----	2,874,357	25,466	9
COLORADO RIVER AND FLOOD DISCHARGE CHANNELS, TEX.,-----	571,818	8,577	15
CORPUS CHRISTI SHIP CHANNEL, TEX.,-----	50,104,579	1,041,642	21
DICKINSON BAYOU, TEX.,-----	330,172	2,849	9
ESCAMBIA AND CONEJUN RIVERS, FLA. AND ALA., ESCAMBIA BAY, FLA.,-----	1,875,974	37,971	20
FRESHWATER BAYOU, LA.,-----	369,685	5,992	16
GULF COUNTY CANAL, FLA.,-----	3,129,860	15,603	5
GULF INTRACOASTAL WATERWAY <sup>1</sup>			
BETWEEN APALACHEE BAY, FLA., AND THE MEXICAN BORDER-----	106,960,543	19,394,523	181
MORGAN CITY - PORT ALLEN ROUTE-----	25,180,797	1,548,071	61
MOUVA NAVIGATION CANAL, LA.,-----	1,452,945	29,996	21
INNERHARBOR NAVIGATION CANAL, LA.,-----	8,058,984	21,708	3
INTRACOASTAL WATERWAY, CALOOSAHATCHEE RIVER TO ANCLOTE RIVER, FLA.,-----	1,417,175	42,572	30
JOHNSONS BAYOU, LA.,-----	329,759	1,298	4
LAKE PONTCHARTRAIN, LA.,-----	1,893,027	39,754	21
MATAGORDA SHIP CHANNEL, TEX.,-----	4,858,515	121,453	25
MENTAUV RIVER, BAYOUS NEZPIQUE AND DES CANNES, LA.,-----	1,623,251	52,238	32
MENTAUV RIVER, LA.,-----	1,424,077	37,112	26
OKEECHOBEE WATERWAY, FLA.,-----	1,320,298	23,098	17
PETIT ANSE, TIGRE AND CARLIN BAYOUS, LA.,-----	2,044,857	9,267	5
SABINE - NECHES WATERWAY, TEX.,-----	75,943,277	1,930,922	25
SAN BERNARD RIVER, TEX.,-----	324,528	8,438	26
ST. MARKS RIVER, FLA.,-----	1,075,833	11,836	11
THREE MILE CREEK, ALA.,-----	1,396,153	1,440	1
TRIBUTARY ARROYO COLORADO, TEX.,-----	668,733	16,807	25
WATERWAY CONNECTING TOMBIGBEE AND TENNESSEE RIVERS, ALA. AND MISS.,-----	3,446,332	685,205	188
WATERWAY FROM EMPIRE, LA., TO GULF OF MEXICO-----	929,239	3,793	4
WATERWAY FROM INTRACOASTAL WATERWAY TO BAYOU OULAC, LA. (BAYOUS LE CARPE AND GRAND CAILLOU)-----	374,192	3,612	10
WATSON BAYOU, FLA.,-----	779,665	1,285	2
ALLEGHENY RIVER, PA., (IMPROVED PORTION)-----	3,491,481	55,842	16
ATCHAFALAYA RIVER, LA.,-----	7,263,399	317,568	44
BARKLEY CANAL, CUMBERLAND AND TENNESSEE RIVERS-----	12,800,081	25,600	2
BIG SANDY RIVER, TUG AND LEVISA FORKS, KY. AND W. VA.,-----	8,622,765	44,455	5
BLACK RIVER, WIS.,-----	290,157	393	1
CLINCH AND EMORY RIVERS, TENN.,-----	268,627	1,365	5
CUMBERLAND RIVER <sup>1</sup>			
MOUTH TO MILE 552 (NET)-----	22,882,877	1,732,782	76
MOUTH TO NASHVILLE, TENN.,-----	22,996,731	1,710,446	74
NASHVILLE, TENN., TO MILE 552-----	614,604	22,336	36
GREEN AND BARREN RIVERS, KY.,-----	9,180,784	646,640	70
HINAWSEE RIVER, TENN.,-----	1,001,279	18,474	18
ILLINOIS RIVER, ILL.,-----	39,991,394	8,087,854	202
KANAWHA RIVER, W. VA.,-----	16,789,524	1,060,153	63
KASKASKIA RIVER, ILL.,-----	3,902,135	101,008	26
KENTUCKY RIVER, KY.,-----	150,020	9,569	64
LITTLE KANAWHA RIVER, W. VA.,-----	513,300	1,401	3
LITTLE RIVER, LA.,-----	223,377	22,311	100
MCCLELLAN - KERR ARKANSAS RIVER NAVIGATION SYSTEM-----	8,395,856	1,545,066	184
MINNESOTA RIVER, MINN.,-----	2,972,401	41,931	14
MISSISSIPPI RIVER - GULF OUTLET, LA.,-----	8,144,555	468,639	58
MISSISSIPPI RIVER <sup>1</sup>			
MINNEAPOLIS, MINN., TO MOUTH OF PASSES (NET)-----	399,943,843	166,056,616	415
MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	73,720,763	12,871,936	175
MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	97,722,986	16,359,364	167
MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----	156,194,188	97,866,970	627
BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	272,475,106	18,767,464	69
NEW ORLEANS, LA., TO MOUTH OF PASSES-----	238,372,044	20,193,082	86
MISSOURI RIVER <sup>1</sup>			
FORT BENTON, MONT., TO THE MOUTH (NET)-----	6,990,778	1,044,299	149
KANSAS CITY TO THE MOUTH-----	6,557,841	770,049	117

## Waterborne Commerce of the United States, 1986

TABLE 5-- COMMERCE ON SELECTED WATERWAYS OF THE UNITED STATES, CALENDAR YEAR 1986--CONTINUED

(IN TONS OF 2,000 POUNDS)

WATERWAY	TONS	TOTAL TON- MILES (000 OMITTED)	MILES PER TON
OMAHA TO KANSAS CITY-----	1,520,049	239,575	158
SIoux CITY TO OMAHA-----	436,676	34,577	79
FORT BENTON TO SIOUX CITY-----	13,200	97	7
MONONGAMELA RIVER, PA. AND N. VA.-----	29,533,168	1,307,566	44
MOUTH OF YAZOO RIVER, MISS.-----	1,659,216	7,322	4
OHIO RIVER, PITTSBURGH TO MOUTH-----	195,618,002	50,099,593	256
QUACHITA AND BLACK RIVERS, ARK. AND LA.-----	791,702	78,403	99
RED RIVER BELOW FULTON, ARK.-----	2,747,436	182,077	66
ST. CROIX RIVER, WIS. AND MINN.-----	239,177	5,277	22
TENNESSEE RIVER, TENN., ALA. AND KY.-----	39,592,766	6,692,208	169
WHITE RIVER, ARK., BELOW BATESVILLE, ARK.-----	504,092	70,394	140
WOLF RIVER, TENN.-----	1,510,665	3,857	3
YAZOO RIVER, MISS.-----	355,214	26,668	75
CARQUINEZ STRAIT, CALIF.-----	25,875,452	163,526	7
COEUR D'ALENE LAKE AND ST. JOE RIVER, IDAHO-----	629,449	13,523	21
MOUTH TO INTERNATIONAL BOUNDARY (NET)-----	42,155,188	4,339,035	103
AT BAKER BAY, WASH.-----	24,835	52	2
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.-----	42,315,270	2,942,502	70
VANCOUVER, WASH., TO THE DALLES, OREG.-----	9,134,368	552,035	60
COLUMBIA RIVER ABOVE THE DALLES DAM, WASH. AND OREG., TO McNARY LOCK, WASH.-----	6,412,941	620,102	97
COLUMBIA RIVER AND TRIBUTARIES ABOVE McNARY LOCK AND DAM TO KENNEWICK, WASH.-----	5,789,534	224,396	39
COLUMBIA RIVER-----			
COOS AND MILLICOMA RIVERS, OREG.-----	1,144,348	8,682	8
LAKE WASHINGTON SHIP CANAL, WASH.-----	1,760,551	*	-----
MULTNOMAH CHANNEL, OREG.-----	1,389,918	6,397	5
SACRAMENTO RIVER DEEP WATER SHIP CHANNEL, CALIF.-----	976,105	40,025	41
SACRAMENTO RIVER, CALIF.-----	1,208,832	45,688	38
SAN JOAQUIN RIVER, CALIF.-----	2,430,013	46,658	19
SAN PABLO AND MARIE ISLAND STRAIT, CALIF.-----	29,745,112	334,264	11
SERGIUS AND WHITESTONE NARROWS, ALASKA-----	518,805	*	-----
SKAGIT RIVER, WASH.-----	207,606	2,567	12
SNAKE RIVER, OREG., WASH., AND IDAHO-----	5,042,623	346,257	69
SUISUN BAY CHANNEL, CALIF.-----	5,905,496	51,513	9
SWINOMISH CHANNEL, WASH.-----	2,159,577	6,959	3
UMPOUA RIVER, OREG.-----	269,350	2,771	10
WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OREG.-----	3,743,949	17,451	5
WRANGELL NARROWS, ALASKA-----	547,738	12,909	24
YUKON RIVER, ALASKA-----	53,909	20,286	376

\* TON-MILES NOT REPORTED.

TABLE 6--TON-MILEAGE OF FREIGHT CARRIED ON THE INLAND WATERWAYS OF THE UNITED STATES, BY SYSTEM, CALENDAR YEARS 1985-1986

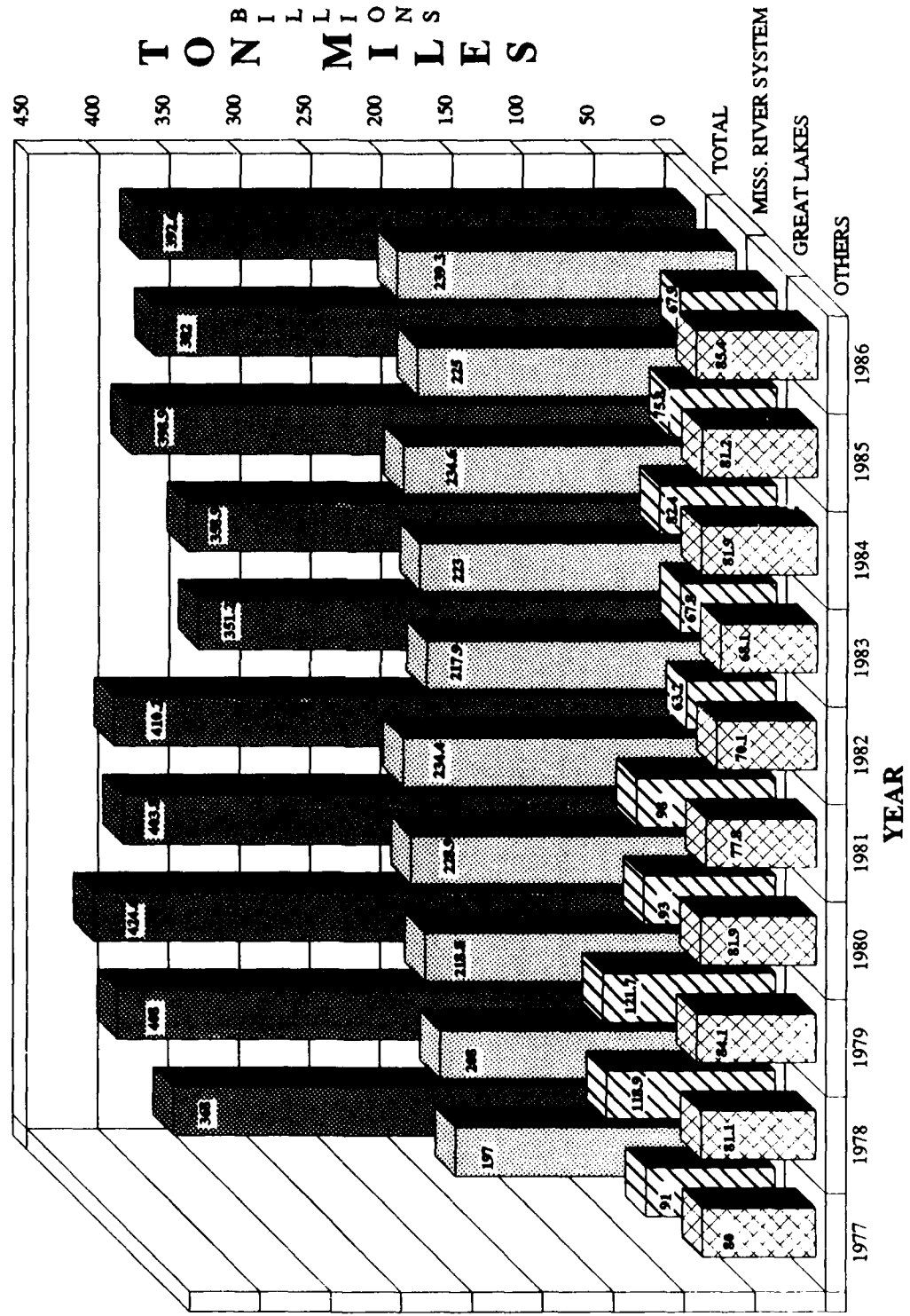
(000 OMITTED)

SYSTEM	1985	1986
ATLANTIC COAST WATERWAYS-----	24,810,851	25,660,089
GULF COAST WATERWAYS-----	36,502,065	38,975,691
PACIFIC COAST WATERWAYS-----	19,908,394	20,772,207
MISSISSIPPI RIVER SYSTEM, INCLUDING OHIO RIVER AND TRIBUTARIES-----	224,697,416	230,287,184
GREAT LAKES SYSTEM-----	75,774,612	67,968,561
TOTAL-----	381,693,338	392,603,712

\* DOES NOT INCLUDE TRAFFIC BETWEEN FOREIGN PORTS.

TABLE 7 - TON-MILEAGE OF UNITED STATES FREIGHT CARRIED ON THE GREAT LAKES BY AREA, CALENDAR YEAR 1986  
(000 OMITTED)

# **TON-MILES OF FREIGHT CARRIED ON THE WATERWAYS OF THE UNITED STATES, 1977 - 1986**



# NATIONAL SUMMARIES

29

TABLE 8--COMPARATIVE STATEMENT OF TRAFFIC ON THE MISSISSIPPI RIVER SYSTEM,\* CALENDAR YEARS 1975-1986

(NET TRAFFIC)

YEAR	FOREIGN AND COASTWISE TRAFFIC					INLAND TRAFFIC	GRAND TOTAL
	FOREIGN		COASTWISE		TOTAL		
	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS			
	SHORT TONS						
1975	45,934,905	47,615,390	8,670,706	21,104,606	125,325,607	330,087,116	455,412,723
1976	67,027,258	59,869,890	8,588,222	17,370,125	152,855,495	345,510,860	498,366,363
1977	96,028,423	59,628,562	9,720,794	19,905,140	185,262,919	381,543,917	534,826,836
1978	98,574,312	67,252,688	14,332,003	17,404,538	197,563,541	385,364,514	552,928,055
1979	105,858,988	73,255,062	12,780,791	20,274,910	212,169,751	370,757,973	582,927,724
1980	90,772,105	86,290,660	17,768,198	23,811,964	210,642,927	365,569,149	584,212,076
1981	80,094,423	96,269,761	21,553,015	23,189,745	223,106,944	362,930,042	586,036,986
1982	56,708,090	100,756,368	14,659,479	20,047,301	192,171,238	347,474,116	539,645,354
1983	32,320,125	95,763,623	18,317,757	20,782,583	167,184,088	351,953,271	519,137,359
1984	34,074,866	85,856,052	19,944,201	16,798,329	156,956,777	346,566,087	543,522,864
1985	27,040,313	81,009,372	21,739,390	19,167,347	148,956,422	378,852,148	527,808,570
1986	35,138,022	81,084,796	19,318,377	18,056,372	153,597,567	402,801,874	556,399,441
	TON-MILES (000 OMITTED)						
1975	7,974,733	6,935,765	1,474,754	3,016,699	19,401,951	151,283,215	170,685,166
1976	11,713,368	8,829,962	1,473,469	2,639,613	24,656,412	164,839,947	189,496,359
1977	16,236,150	8,821,136	1,744,892	3,109,673	29,911,859	166,923,750	196,835,617
1978	16,771,655	10,103,652	2,707,942	2,740,761	32,324,013	174,403,658	206,727,671
1979	17,592,665	11,062,598	2,605,616	3,079,059	34,339,938	184,436,341	210,776,279
1980	15,135,789	12,965,425	3,550,956	3,786,062	35,438,232	193,492,234	228,930,466
1981	13,314,368	14,375,436	4,159,336	3,527,113	35,376,253	199,050,733	234,426,986
1982	8,803,571	15,130,210	2,955,205	3,211,367	30,100,353	187,890,327	217,990,680
1983	5,095,571	14,631,875	3,565,169	3,091,935	26,384,550	176,680,195	203,064,745
1984	5,225,849	13,130,115	3,539,022	2,436,699	24,351,685	170,297,576	194,649,261
1985	4,113,990	12,551,382	3,857,611	2,606,492	23,129,475	201,586,645	224,716,120
1986	5,505,532	12,619,942	3,508,647	2,479,850	24,113,971	215,179,481	239,293,452

\* INCLUDES THE MAIN CHANNELS AND ALL TRIBUTARIES OF THE MISSISSIPPI, ILLINOIS, MISSOURI, AND OHIO RIVERS.

TABLE 9--COMPARATIVE STATEMENT OF TRAFFIC ON THE MISSISSIPPI RIVER FROM MINNEAPOLIS, MINN., TO THE MOUTH OF PASSER, CALENDAR YEARS 1975-1986

(NET TRAFFIC)

YEAR	FOREIGN AND COASTWISE TRAFFIC					INLAND TRAFFIC	GRAND TOTAL
	FOREIGN		COASTWISE		TOTAL		
	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS			
SHORT TONS							
1975	45,934,905	47,615,390	8,670,706	21,104,606	125,325,607	187,913,877	311,239,484
1976	67,027,258	59,869,890	8,588,222	17,370,125	182,855,495	203,328,232	356,183,727
1977	96,028,423	59,628,562	9,720,794	19,905,140	185,262,919	211,488,297	396,751,216
1978	98,574,312	67,252,688	14,332,003	17,404,538	197,563,541	215,502,119	413,065,660
1979	105,858,988	73,255,062	12,780,791	20,274,910	212,169,751	218,000,928	430,170,679
1980	90,772,105	86,290,660	17,768,198	23,811,964	218,642,927	228,901,151	447,544,078
1981	80,094,423	96,269,761	21,553,015	23,189,745	223,106,944	223,275,410	446,382,354
1982	56,708,090	100,756,368	14,659,479	20,047,301	192,171,238	215,427,418	407,598,656
1983	32,320,125	95,763,623	18,317,757	20,782,583	167,184,088	224,951,345	392,135,433
1984	34,074,866	85,856,052	19,944,201	16,798,329	156,956,777	240,389,289	397,346,066
1985	27,040,313	81,009,372	21,739,390	19,167,347	148,956,422	235,007,687	383,964,109
1986	35,138,022	81,084,796	19,318,377	18,056,372	153,597,567	246,346,276	399,943,743
TON-MILES (000 OMITTED)							
1975	7,974,733	6,935,765	1,474,754	3,016,699	19,401,951	99,715,864	119,117,815
1976	11,713,368	8,829,962	1,473,469	2,639,613	24,656,412	110,564,437	135,220,849
1977	16,236,150	8,821,136	1,744,892	3,109,673	29,911,859	109,554,793	139,466,652
1978	16,771,655	10,103,652	2,707,945	2,740,761	32,324,013	118,165,016	150,489,029
1979	17,592,665	11,062,598	2,605,616	3,079,059	34,339,938	120,669,620	155,009,558
1980	15,135,789	12,965,425	3,550,956	3,786,062	35,438,232	133,294,646	168,732,878
1981	13,314,366	14,375,436	4,159,336	3,527,113	35,376,253	136,972,272	174,348,525
1982	8,803,571	15,130,210	2,955,205	3,211,367	30,100,353	131,592,212	161,692,565
1983	5,095,571	14,631,875	3,565,169	3,091,935	26,384,550	139,888,494	166,273,044
1984	5,225,849	13,130,115	3,539,022	2,436,699	24,351,685	146,188,708	170,540,393
1985	4,113,990	12,551,382	3,857,611	2,606,492	23,129,475	135,360,480	158,489,955
1986	5,505,532	12,619,942	3,508,647	2,479,850	24,113,971	141,944,845	166,058,816

TABLE 10--DOMESTIC BARGE TRAFFIC\* COMMODITY BY TYPE OF TRAFFIC

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

COMMODITY	BARGE TRAFFIC					PERCENT BARGE TO TOTAL DOMESTIC	TOTAL DOMESTIC TRAFFIC	
	COASTWISE	LAKEWISE	INTERNAL	LOCAL	INTRA- TERRITORY			TOTAL
FARM PRODUCTS								
0101 COTTON, RAW-----			4,115			4,115	95.8	4,296
0102 HARLEY AND RYE-----			406,804			406,804	100.0	406,804
0103 CORN-----	150,210		20,936,583	14,398		21,101,191	99.9	21,101,769
0104 OATS-----	4,820		373,775			378,595	99.9	378,666
0105 RICE-----	86,932		1,008,522			1,095,454	95.0	1,153,639
0106 SORGHUM GRAINS-----	1,435		2,427,546			2,428,981	99.8	2,432,891
0107 WHEAT-----	299,115		9,123,181	43,080		9,465,376	92.6	10,222,998
0111 SOYBEANS-----	24		18,006,222	47,449		18,053,695	99.9	18,057,096
0112 FLAXSEED-----								115
0119 OILSEEDS, NEC-----	1,851		22,561			24,412	89.3	27,326
0121 TOBACCO, LEAF-----								1,215
0122 HAY AND FODDER-----	2,224		21,724			23,948	99.0	24,190
0129 FIELD CROPS, NEC-----			76,330	168		76,498	99.7	76,725
0131 FRESH FRUITS-----	320,326					320,326	73.8	433,883
0132 BANANAS AND PLANTAINS-----								6,270
0133 COFFEE-----	822					822	1.6	51,135
0134 COCOA BEANS-----								15,031
0141 FRESH AND FROZEN VEGETABLES-----	20,779		14,155			34,934	15.0	232,152
0151 LIVE ANIMALS-----	79,128					79,128	97.3	81,324
0161 ANIMALS AND PRODUCTS, NEC-----	432		31,724			32,156	84.2	38,209
0191 MISCELLANEOUS FARM PRODUCTS-----	33,388					33,388	98.7	33,827
FOREST PRODUCTS								
0841 CRUDE RUBBER AND ALLIED GUMS-----			2,838			2,838	74.6	3,806
0861 FOREST PRODUCTS, NEC-----	4,536					4,536	6.2	73,453
FRESH FISH & OTHER MARINE PRODUCTS								
0911 FRESH FISH, EXCEPT SHELLFISH-----	436					436	.1	779,325
0912 SHELLFISH, EXCEPT PREPARED-----	480					480	.1	538,230
0913 MENHADEN-----								33,726
0931 MARINE SHELLS, UNMANUFACTURED-----			4,141,151	29,960		4,171,091	99.6	4,186,825
METALLIC ORES								
1011 IRON ORE AND CONCENTRATES-----	24,509	1,644,951	2,868,488	1,476		4,579,424	10.5	43,677,592
1021 COPPER ORE AND CONCENTRATES-----			81,920	1,447		83,367	100.0	83,367
1051 ALUMINUM ORES, CONCENTRATES-----			242,411			242,411	100.0	242,411
1061 MANGANESE ORES, CONCENTRATES-----			188,193			188,193	100.0	188,193
1091 NONFERROUS ORES, CONCENT, NEC-----	457		503,988	1,440		505,885	99.6	507,748
COAL								
1121 COAL AND LIGNITE-----	6,680,472	239,089	163,126,894	3,880,507		173,926,962	88.4	196,693,467
CRUDE PETROLEUM								
1311 CRUDE PETROLEUM-----	2,880,019		38,773,199	2,795,695		44,448,913	22.7	196,186,802
NONMETALLIC MINERALS, EXCEPT FUELS								
1411 LIMESTONE-----		263,653	4,245,728	66,235		4,576,616	21.2	21,616,235
1412 BUILDING STONE, UNWORKED-----								353
1442 SAND, GRAVEL, CRUSHED ROCK-----	2,234,719	24,614	52,086,135	7,297,163		61,642,631	96.9	63,604,719
1451 CLAY-----	206		678,199	32,668		711,073	80.6	882,003
1471 PHOSPHATE ROCK-----	7,834,641		32,240			7,866,881	100.0	7,866,881
1479 NATURAL FERTILIZER MATS, NEC-----			7,852			7,852	100.0	7,852
1492 SULPHUR, DRY-----	16,938		4,408			21,346	99.7	21,417
1493 SULPHUR, LIQUID-----			2,814,163	103,950		2,918,113	49.2	5,927,373
1494 GYPSUM, CRUDE AND PLASTERS-----	1,504		334,566	2,402		338,472	24.1	1,404,186
1499 NONMETALLIC MINERALS, NEC-----	112,344	70,096	5,478,073	121,884		5,782,397	85.7	6,749,165
ORDNANCE & ACCESSORIES								
1911 ORDNANCE AND ACCESSORIES-----	173		4,552			4,725	98.6	4,791
FOOD & KINDRED PRODUCTS								
2011 MEAT, FRESH, CHILLED, FROZEN-----	21,399					21,399	8.6	249,819
2012 MEAT AND PRODUCTS, NEC-----	20					20	.1	14,915
2014 TALLOW, ANIMAL FATS AND OILS-----	10,788		111,202			121,990	99.3	122,880
2015 ANIMAL BY-PRODUCTS, NEC-----	413		14,149			14,562	86.3	16,866
2021 DAIRY PRODUCTS, NEC-----	1,508					1,508	3.6	42,230
2022 DRIED MILK AND CREAM-----								24,230
2031 FISH AND SHELLFISH, PREPARED-----	33,737		38			33,775	15.2	221,524
2034 VEGETABLES AND PREP, NEC-----	72,986		10,945			83,931	39.2	214,324
2039 PREP FRUIT AND VEG JUICE, NEC-----	126,531		1,417			127,948	30.5	419,176
2041 WHEAT FLOUR AND SEMOLINA-----	2,342		47,356			49,698	74.0	67,157
2042 ANIMAL FEEDS-----	163,031		6,871,219	3,290		7,037,580	99.1	7,103,249
2049 GRAIN MILL PRODUCTS, NEC-----	51,937		5,508,724			5,560,661	99.5	5,591,321
2061 SUGAR-----	862,763		439,733			1,302,496	82.6	1,576,133
2062 MOLASSES-----	102,148		446,692	73,895	7,452	630,187	76.8	820,276
2081 ALCOHOLIC BEVERAGES-----	56,704		2,430			59,134	22.6	261,883
2091 VEGETABLE OILS, MARG, SHORT-----	42,120		1,080,741	81,176		1,204,037	97.9	1,229,885
2092 ANIMAL OILS AND FATS, NEC-----			4,461	11,244		15,705	99.0	15,870
2094 GROCERIES-----	52,004					52,004	12.3	424,306
2095 ICE-----								161,759
2099 MISCELLANEOUS FOOD PRODUCTS-----	926,961		258,279	5,600		1,190,840	81.8	1,470,101

\*NON-SELF PROPELLED VESSELS.

## 31

CALENDAR YEAR 1966

(IN TONS OF 2,000 POUNDS)

COMMODITY	BARGE TRAFFIC						PERCENT BARGE TO TOTAL DOMESTIC	TOTAL DOMESTIC TRAFFIC
	COASTWISE	LAKEWISE	INTERNAL	LOCAL	INTRA- TERRITORY	TOTAL		
TOBACCO PRODUCTS								
2111 TOBACCO MANUFACTURES-----	5,001					5,001	46.4	10,778
BASIC TEXTILES								
2211 BASIC TEXTILE PRODUCTS-----	829		14,985			15,814	34.6	45,752
2212 TEXTILE FIBERS, NEC-----	3		12,700			12,703	93.4	13,597
APPAREL & OTHER FINISHED TEXTILE PRODUCTS, INCLUDING KNIT								
2311 APPAREL-----	14,132					14,132	21.5	65,643
LUMBER & WOOD PRODS.,EXC. FURNITURE								
2411 LOGS-----	2,906		396,865	2,130		401,901	99.9	401,945
2412 RAFTED LOGS-----								14,411,235
2413 FUEL WOOD, CHARCOAL, WASTES-----	2,763		140,439			143,202	94.7	151,193
2414 TIMBER, POSTS, POLES, PILING-----	20,483		26,507	2,338		49,328	99.5	49,556
2415 PULPWOOD, LOG-----	16,849		3,004,191			3,021,040	99.9	3,024,034
2416 WOOD CHIPS, STAVES, HOLDINGS-----			3,245,598	47,837		3,293,435	100.0	3,293,435
2421 LUMBER-----	956,344		63,607	1,908		1,021,859	94.1	1,086,109
2431 VENEER, PLYWOOD, WORKED WOOD-----	37,721		113,722			151,443	85.5	177,081
2491 WOOD MANUFACTURES, NEC-----	133,387		6,824	1,865		142,076	76.1	186,806
FURNITURE & FIXTURES								
2511 FURNITURE AND FIXTURES-----	42,385		7	9		42,401	29.7	142,967
PULP, PAPER & ALLIED PRODUCTS								
2611 PULP-----	58,128		851,237	1,081		910,446	97.9	930,298
2621 STANDARD VESPAINT PAPER-----	4,823		51,041			55,864	78.2	71,419
2631 PAPER AND PAPERBOARD-----	15,772		351,408			367,180	64.5	571,338
2691 PULP AND PAPER PRODUCTS, NEC-----	174,807		1,078,478	1,603		1,254,888	93.1	1,347,819
PRINTED MATTER								
2711 PRINTED MATTER-----	8,301					8,301	43.3	19,155
CHEMICALS & ALLIED PRODUCTS								
2810 SODIUM HYDROXIDE-----	636,834	14,918	3,733,895	233,482		4,619,129	94.7	4,875,318
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	16,996		1,158,914	135,380		1,311,292	97.8	1,341,458
2812 DYES, PIGMENT, TAINING MATS-----	1,480					1,480	90.9	1,629
2813 ALCOHOLS-----	61,424		4,186,453	542,309		4,740,186	92.1	5,201,873
2816 RADIOACTIVE MATERIALS, WASTES-----	24					24	3.0	803
2817 BENZENE AND POLYMER-----	19,056	30,180	3,379,809	1,213,914		4,642,961	94.5	4,911,941
2818 SULFURIC ACID-----	89,341		1,633,789	403,366		2,126,496	99.9	2,126,664
2819 BASIC CHEMICALS AND PROD., NEC-----	910,443	104,834	17,639,998	1,621,747		20,277,022	88.0	23,032,797
2821 PLASTIC MATERIALS-----	2,518		13,430			15,948	25.3	63,102
2822 SYNTHETIC RUBBER-----			74,155			74,155	95.5	77,627
2823 SYNTHETIC (RAY-MADE) FIBERS-----								1,126
2831 DRUGS-----	4					4		15,557
2841 SOAP-----	3,343		1,400			4,743	6.2	76,566
2851 FATS-----	1,602		3			1,605	7.0	22,871
2861 GUM AND GUM CHEMICALS-----	10,212		229,155	18,174		257,541	77.3	333,039
2871 NITROGENOUS CHEM FERTILIZERS-----	461,679	54,511	5,534,815	57,968		6,108,973	99.7	6,129,810
2872 POTASSIC CHEM FERTILIZERS-----	117,542		1,447,870	31,168		1,596,580	99.6	1,602,233
2873 PHOSPHATIC CHEM FERTILIZERS-----	367,695		557,282	16,139		940,516	99.9	940,604
2876 INSECTICIDES, DISINFECTANTS, NEC-----	1,972		334			2,306	33.1	6,958
2877 FERTILIZER AND MATERIALS, NEC-----	1,151,935		5,225,753	35,752		6,413,440	99.7	6,431,045
2891 MISCELLANEOUS CHEMICAL PROD-----	53,457		355,363	1,954		410,774	60.5	679,029
PETROLEUM & COAL PRODUCTS								
2911 GASOLINE-----	23,795,957	441,188	26,165,665	8,222,904	331,384	58,957,102	76.6	76,945,059
2912 JET FUEL-----	2,569,465	41,604	4,857,224	473,727	362,706	8,304,726	75.3	11,026,211
2913 KEROSENE-----	566,685	10,538	698,845	373,016	37,967	1,687,051	72.5	2,326,880
2914 DISTILLATE FUEL OIL-----	11,216,217	519,580	17,091,914	11,414,313	370,763	40,403,787	67.8	59,635,683
2915 RESIDUAL FUEL OIL-----	10,312,469	349,219	37,249,764	20,197,149	2,123,628	70,472,629	79.2	88,941,075
2916 LUBRICATING OILS AND GREASES-----	150,817	32,200	2,698,003	285,433		3,166,453	55.8	5,671,425
2917 NAPHTHA, PETROLEUM SOLVENTS-----	251,303	13,836	4,054,227	1,034,107	595,554	5,949,027	83.1	7,162,906
2918 ASPHALT, TAR, AND BITCHES-----	3,172,836	364,760	5,546,966	529,088		9,615,650	97.7	9,842,043
2920 COKE, PETROLEUM COKE-----		58,149	4,424,302	485,018		4,967,469	98.9	5,024,361
2921 LIQUEFIED GASES-----	323,964		1,298,305	18,674		1,640,943	99.9	1,642,423
2951 ASPHALT BUILDING MATERIALS-----	2,575					2,575	58.4	4,409
2991 PETROLEUM AND COAL PROD., NEC-----	684,931		981,761	339,722	11,500	2,217,914	92.6	2,399,594
RUBBER & MISCL. PLASTIC PRODUCTS								
3011 RUBBER AND MISCL PLASTIC PROD-----	71,690		1,054			72,744	63.1	115,233
LEATHER & LEATHER PRODUCTS								
3111 LEATHER AND LEATHER PRODUCTS-----	9,382					9,382	60.5	15,506
STONE, CLAY, GLASS, & CONCRETE PROD.								
3211 GLASS AND GLASS PRODUCTS-----	15,016		13,476			28,492	60.7	46,946
3241 PORTLAND CEMENT-----	1,734,343	50,028	5,929,573	744,641		8,458,585	71.6	11,820,745
AND-SELF-PROPELLED VESSELS.								

TABLE 10--DOMESTIC BARGE TRAFFIC\* COMMODITY BY TYPE OF TRAFFIC--CONTINUED

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

COMMODITY	BARGE TRAFFIC					TOTAL	PERCENT BARGE TO TOTAL DOMESTIC	TOTAL DOMESTIC TRAFFIC
	COASTWISE	LAKEWISE	INTERNAL	LOCAL	INTRA- TERRITORY			
STONE, CLAY, GLASS, & CONCRETE PROD. (CONTINUED)								
3251 STRUCTURAL CLAY PRODUCTS-----	494		8,950			9,444	13.3	71,264
3271 LIME-----	106	1,608	1,533,486	24		1,535,224	100.0	1,535,224
3281 CUT STONE AND STONE PRODUCTS-----	1,263		9,115			10,378	72.5	14,306
3291 MISC NONMETALLIC MINERAL PROD-----	10,726		260,899	6,559		367,719	86.4	435,452
PRIMARY METAL PRODUCTS								
3311 PIG IRON-----	110	960	150,950	11		152,031	99.9	152,034
3312 SLAG-----	4,173	50,650	809,500			864,323	69.5	1,242,934
3314 IRON AND STEEL PRIMARY FIRMS-----	3	1,000	1,413,436	7,238		1,421,679	99.9	1,421,639
3315 IRON, STEEL SHAPES, EXC SHEET-----	18,166	14,677	1,930,573	5,914		1,969,330	99.6	1,977,206
3316 IRON AND STEEL PLATES, SHEETS-----	12,026	5,692	944,674	529		960,923	98.0	980,189
3317 IRON AND STEEL PIPE AND TUBE-----	15,929		395,445	55,619		466,993	46.3	1,007,693
3318 FERRUVALLOYS-----		1,400	954,816	4,243		960,461	98.5	974,637
3319 IRON AND STEEL PRODUCTS, NEC-----	44,062	2,793	283,528	552		330,935	99.9	331,237
3321 NONFERROUS METALS, NEC-----	6,101		14,767			20,868	56.9	36,681
3322 COPPER ALLOYS, UNWORKED-----	15		35,216	496		35,727	95.2	37,546
3323 LEAD AND ZINC, UNWORKED-----			86,408			86,408	99.6	86,777
3324 ALUMINUM AND ALLOYS, UNWORKED-----			177,467	1,201		178,668	96.1	185,687
FABRICATED METAL PRODUCTS, EXCEPT ORDNANCE, MACHINERY, & TRANS. EQUIP.								
3411 FABRICATED METAL PRODUCTS-----	1,110,547	840	150,494	17,825		1,279,706	85.9	1,489,986
MACHINERY, EXCEPT ELECTRICAL								
3511 MACHINERY, EXCEPT ELECTRICAL-----	175,344	261	175,877	16,516	50	368,053	60.0	613,754
ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES								
3611 ELECTRICAL MACH AND EQUIP-----	20,267		14,438	23		34,728	56.3	61,703
TRANSPORTATION EQUIPMENT								
3711 MOTOR VEHICLES, PARTS, EQUIP-----	495,334		10,778	60		506,172	76.5	661,433
3721 AIRCRAFT AND PARTS-----	47		62			109	23.5	427
3731 SHIPS AND BOATS-----	11,130		473			11,603	81.1	14,264
3791 MISC TRANSPORTATION EQUIPMENT-----	84,716		1,599	42		86,359	84.2	102,522
INSTRUMENTS, PHOTOGRAPHIC & OPTICAL GOODS, WATCHES & CLOCKS								
3811 INSTR, TIME, PHOTO, OPT GOODS-----	21,024					21,024	86.5	24,315
MISC. PRODUCTS OF MANUFACTURING								
3911 MISC MANUFACTURED PRODUCTS-----	10,946		4,655	577		16,178	1.3	1,232,230
WASTE & SCRAP MATERIALS								
4011 IRON AND STEEL SCRAP-----	53,629	4,667	3,124,443	476,031		3,658,770	99.7	3,669,626
4012 NONFERROUS METAL SCRAP-----			15,521			15,521	87.1	17,819
4022 TEXTILE WASTE, SCRAP, SWEEP-----								591
4024 PAPER WASTE AND SCRAP-----								2,353
4029 WASTE AND SCRAP, NEC-----	263,271		10,583,260	5,360,521		16,207,002	83.5	19,406,885
SPECIAL ITEMS								
4111 WATER-----	2,780		479,892	63,224		545,896	33.2	1,644,904
4112 COMMODITIES, NEC-----	1,164,203		100,527	222,173		1,486,903	29.0	5,130,090
4113 LCL FREIGHT-----	10					10	100.0	10
4119 EMPTY CONTAINERS-----	15,487		12,692	528		28,707	54.4	52,799
TOTAL-----	87,430,960	4,241,496	532,135,697	69,543,149	3,841,008	697,192,310	67.2	1,037,192,777
TOTAL DOMESTIC TRAFFIC-----	308,024,669	87,352,525	560,499,024	77,357,617	3,958,942	1,037,192,777	-----	-----
PERCENT BARGE TO TOTAL DOMESTIC-----	28.4	4.9	94.9	89.9	97.0	67.2	-----	-----

\*NON-SELF PROPELLED VESSELS.



---

---

Section 2

DOMESTIC INLAND TRAFFIC  
AREAS OF ORIGIN AND DESTINATION  
OF PRINCIPAL COMMODITIES

---

---

# DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

35

TABLE 1--DOMESTIC INLAND MOVEMENTS OF GRAINS, SOYBEANS, SUGAR AND MOLASSES  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1966

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	CORN (CODE 0103)	OTHER GRAINS (CODES 0102, 0104, 0105, 0106)	WHEAT (CODE 0107)	SOYBEANS (CODE 0111)	SUGAR (CODE 2061)	MOLASSES (CODE 2062)
TOTAL, ALL SHIPPING AREAS-----	20,950,981	4,216,647	9,166,261	18,057,031	439,733	520,587
PORT OF NEW YORK, N.Y. AND N.J./ UPPER HUDSON RIVER, N.Y.,-----						1,466
NANTICOKE RIVER, DEL. AND MD./ HAMPTON ROADS, VA.,-----		6,793	15,997	19,147		
RAPPAHANNOCK RIVER, VA./ HAMPTON ROADS, VA.,-----			3,867			
YORK RIVER, VA./ HAMPTON ROADS, VA.,-----	6,445		10,312	24,491		
HAMPTON ROADS, VA./ NANTICOKE RIVER, DEL. AND MD.,-----	2,930					
HAMPTON ROADS, VA.,-----	5,156			3,867		
TOTAL, SHIPPING AREA-----	8,086			3,867		
ATLANTIC INTRACOASTAL WATERWAY' DISMAL SWAMP CANAL ROUTE/ HAMPTON ROADS, VA.,-----	21,913		18,046	34,803		
ATLANTIC INTRACOASTAL WATERWAY' GREAT BRIDGE LOCK ROUTE/ HAMPTON ROADS, VA.,-----			5,438			
ATLANTIC INTRACOASTAL WATERWAY' ENGINEER DISTRICT, WILMINGTON/ HAMPTON ROADS, VA.,-----	6,920			3,406		
CROATON AND PAMLICO SOUNDS, N.C./ HAMPTON ROADS, VA.,-----	6,602		2,821	1,365		
GULF INTRACOASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA./ HARRIOR RIVER SYSTEM-----			1,265	3,940		
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.,-----	988		17,773	19,550		
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----				2,950		
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----			13,360	3,643		
YAZOO RIVER AND MOUTH, MISS.,-----				1,302		
TOTAL, SHIPPING AREA-----	988		32,398	31,465		
APALACHICOLA, CHATTAHOOCHEE AND FLINT RIVERS, GA. AND FLA./ HARRIOR RIVER SYSTEM-----			1,100	21,959		
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----				2,137		
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----			5,393	8,475		
TOTAL, SHIPPING AREA-----			6,493	32,571		
GULF OF MEXICO/ WATERWAY FROM EMPIRE, LA., TO GULF OF MEXICO-----				387		
HARRIOR RIVER SYSTEM/ HARRIOR RIVER SYSTEM-----	1,494	4,233	9,021	111,235		
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.,-----			5,040	2,800		
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----		2,799	6,108	19,308		472
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	1,497	8,346	14,861	84,632		
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	1,465			21,725		
TOTAL, SHIPPING AREA-----	4,456	15,378	35,030	239,700		472
ALABAMA-COOSA RIVERS, ALA. AND GA./ HARRIOR RIVER SYSTEM-----	739		1,100	9,778		
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----				1,295		
TOTAL, SHIPPING AREA-----	739		1,100	11,073		
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA./ GULF INTRACOASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA.,-----	2,884					
APALACHICOLA, CHATTAHOOCHEE AND FLINT RIVERS, GA. AND FLA.,-----	1,440					
HARRIOR RIVER SYSTEM-----	1,396					
MERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.,-----					70,228	
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----		843	1,485			
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	2,800	12,891	1,300	7,434		
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----				1,379		
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----				1,341		
ARKANSAS RIVER, ARK.,-----						
TOTAL, SHIPPING AREA-----	8,520	13,734	2,785	10,154	70,228	
GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.,-----						
MERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.,-----						3,947
GALVESTON BAY, TEXAS-----						16,877
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----	3,003			5,991	141,089	2,799
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----						
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----				1,613	12,558	
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----					28,000	
						1,607

## Waterborne Commerce of the United States, 1986

TABLE 1--DOMESTIC INLAND MOVEMENTS OF GRAINS, SOYBEANS, SUGAR AND MOLASSES--CONTINUED  
SHIPPING AREA BY RECEIVING AREACALENDAR YEAR 1986  
(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	CORN (CODE 0103)	OTHER GRAINS (CODES 0102, 0104, 0105, 0106)	WHEAT (CODE 0107)	SOYBEANS (CODE 0111)	SUGAR (CODE 2061)	MOLASSES (CODE 2062)
MISSOURI RIVER-----						2,634
ILLINOIS RIVER, ILL.-----						1,403
TOTAL, SHIPPING AREA-----	3,083			7,604	181,647	29,467
ATCHAFALAYA RIVER, LA./						
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSEB-----	97,534	3,025	2,806	8,169		
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW						
ORLEANS, LA.-----	124,324	17,210	1,568	38,787		
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON						
ROUGE, LA.-----				1,563		
WOLF RIVER, TENN.-----	1,653					
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----				4,260		
TENNESSEE RIVER, TENN., ALA. AND KY.-----				2,536		
TOTAL, SHIPPING AREA-----	223,511	20,235	4,374	55,315		
OUCHITA AND BLACK RIVERS, ARK. AND LA./						
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSEB-----	23,246	4,257		13,573		
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW						
ORLEANS, LA.-----	18,645	85,364	12,473	72,409		
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON						
ROUGE, LA.-----				18,315		
ARKANSAS RIVER, ARK.-----				1,379		
WHITE RIVER, ARK.-----				2,937		
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----				4,233		
TENNESSEE RIVER, TENN., ALA. AND KY.-----				5,829		
TOTAL, SHIPPING AREA-----	41,891	89,621	12,473	110,675		
VERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA./						
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----			2,983			
GALVESTON BAY, TEXAS-----		32,151	2,882			21,388
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSEB-----	37,634	5,989	2,904	19,952		
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW						
ORLEANS, LA.-----	25,697	109,285	26,496	180,329		2,900
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON						
ROUGE, LA.-----		2,738		4,186		
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----			3,336			
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----			4,479			
YAZOO RIVER AND MOUTH, MISS.-----				1,418		
ARKANSAS RIVER, ARK.-----						7,825
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----			3,305	9,508		
TENNESSEE RIVER, TENN., ALA. AND KY.-----				4,188		
PORT OF CHICAGO, ILL.-----						1,355
TOTAL, SHIPPING AREA-----	63,331	150,163	46,385	218,681		32,668
CALCABIEU RIVER AND PASS, LA./						
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSEB-----	1,400		3,851	16,996		
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW						
ORLEANS, LA.-----		5,933		8,917		
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON						
ROUGE, LA.-----				4,188		
TOTAL, SHIPPING AREA-----	1,400	5,933	3,851	30,101		
SABINE-NECHES WATERWAY, TEXAS/						
VERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.-----		16,602				
GALVESTON BAY, TEXAS-----		5,200				
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSEB-----		410	410	10,602		
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW						
ORLEANS, LA.-----				1,482		
TOTAL, SHIPPING AREA-----		22,212	410	12,084		
GALVESTON BAY, TEXAS/						
SABINE-NECHES WATERWAY, TEXAS-----						2,937
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSEB-----		5,716	7,922	5,921		1,076
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW						
ORLEANS, LA.-----	1,656	5,428	18,158	7,700		
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON						
ROUGE, LA.-----		4,583				
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----		1,648				
ILLINOIS RIVER, ILL.-----		2,646				
TOTAL, SHIPPING AREA-----	1,656	20,221	26,080	13,621		4,013
GULF INTRACOASTAL WATERWAY' CORPUS CHRISTI, TEXAS, TO THE MEXICAN						
BORDER/-----						
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSEB-----					18,694	
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON						
ROUGE, LA.-----		2,792				
TOTAL, SHIPPING AREA-----		2,792			18,694	
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSEB/						
GULF INTRACOASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY,						
ALA.-----	1,492					
HARRISON RIVER SYSTEM-----						4,216
VERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.-----					42,799	12,490
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSEB-----			1,868			1,751

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

37

TABLE 1--DOMESTIC INLAND MOVEMENTS OF GRAINS, SOYBEANS, SUGAR AND MOLASSES--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	CORN (CODE 0103)	OTHER GRAINS (CODES 0102, 0104, 0105, 0106)	WHEAT (CODE 0107)	SOYBEANS (CODE 0111)	SUGAR (CODE 2061)	MOLASSES (CODE 2062)
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,			888	5,183		1,508
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,		1,337	1,361			
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-- ARKANSAS RIVER, ARK.,						18,827
WOLF RIVER, TENN.,						4,260
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE--						1,481
TENNESSEE RIVER, TENN., ALA. AND KY.,	3,360					14,284
MISSOURI RIVER--						14,971
PORT OF CHICAGO, ILL.,					63,757	19,902
TOTAL, SHIPPING AREA--	4,852	1,337	4,117	5,183	106,556	93,690
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,						
GULF INTRACOASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA.,	1,492	2,700				
APALACHEE, CHATTAHOOCHEE AND FLINT RIVERS, GA. AND FLA.,		25,417				
WARRIOR RIVER SYSTEM--		13,141		2,627		
ALABAMA-COOSA RIVERS, ALA. AND GA.,		970				
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.,	1,400	2,550				
MENTAUR RIVER, BAYOU NEPIQUE AND BAYOU DES CANNES, LA.,						12,301
GALVESTON BAY, TEXAS--		87,765	2,631			1,051
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES--			3,719	1,402		8,491
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,	5,819	10,955	1,659	11,598	21,389	4,318
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,		92,640	1,693			
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER--		6,296			4,400	57,648
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER--		6,867	1,453			40,474
YAZOO RIVER AND MOUTH, MISS.,		22,386		1,461		
ARKANSAS RIVER, ARK.,		4,339		1,450		20,441
WOLF RIVER, TENN.,		5,044		1,408		13,049
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE--		12,268			7,423	1,747
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON--	6,000				1,198	
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH--						9,302
TENNESSEE RIVER, TENN., ALA. AND KY.,		25,699	2,424			
CUMBERLAND RIVER, TENN. AND KY.,					9,862	
MONONGAHELA RIVER, PA. AND W.VA.,					6,327	
ALLEGHENY RIVER, PA.,		18,580				
MISSOURI RIVER--						51,052
ILLINOIS RIVER, ILL.,						10,816
BLACK RIVER, MIS.,						2,625
MINNESOTA RIVER, MINN.,				1,520		2,721
PORT OF CHICAGO, ILL.,		7,477	1,578		12,009	28,132
TOTAL, SHIPPING AREA--	14,711	345,294	15,067	21,536	62,608	265,968
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,						
GULF INTRACOASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA.,		5,511				
APALACHEE, CHATTAHOOCHEE AND FLINT RIVERS, GA. AND FLA.,		1,100				
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.,			4,681	2,981		
GALVESTON BAY, TEXAS--		52,369				
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES--	72,940	242,297	170,218	491,244		
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,	220,464	951,205	455,404	1,642,164		
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,		14,439	1,536	4,598		
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER--			3,191			
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER--		4,200	1,596			1,427
YAZOO RIVER AND MOUTH, MISS.,				21,849		
ARKANSAS RIVER, ARK.,		1,578		1,400		
WOLF RIVER, TENN.,				12,469		
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE--				4,280		
TENNESSEE RIVER, TENN., ALA. AND KY.,	2,859		6,316	8,165		
ILLINOIS RIVER, ILL.,		4,145				
TOTAL, SHIPPING AREA--	296,263	1,276,844	643,142	2,189,150		1,427
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER/ GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.,				1,602		
GALVESTON BAY, TEXAS--		4,183				
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES--	493,709	95,022	126,405	411,651		
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,	934,305	345,535	434,165	1,201,282		
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,		7,289	3,206	12,547		
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER--	3,000		1,602	3,303		
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER--			26,465			
YAZOO RIVER AND MOUTH, MISS.,	3,196			2,890		
ARKANSAS RIVER, ARK.,	1,553			2,799		
WOLF RIVER, TENN.,	7,672			12,294		
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE--			23,905	7,720		
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON--	1,400					
TENNESSEE RIVER, TENN., ALA. AND KY.,	68,679	1,590	185,857	76,897		
TOTAL, SHIPPING AREA--	1,518,400	473,619	799,685	1,732,985		

## Waterborne Commerce of the United States, 1986

TABLE 1--DOMESTIC INLAND MOVEMENTS OF GRAINS, SOYBEANS, SUGAR AND MOLASSES--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	CORN (CODE 0103)	OTHER GRAINS (CODES 0102, 0104, 0105, 0106)	WHEAT (CODE 0107)	SOYBEANS (CODE 0111)	SUGAR (CODE 2061)	MOLASSES (CODE 2062)
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER/ GULF INTRACOASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA.,-----	7,012	-----	-----	-----	-----	-----
WARRIOR RIVER SYSTEM-----	11,604	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.,-- GALVESTON BAY, TEXAS-----	9,512	-----	2,850	8,201	-----	-----
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----	1,085,758	4,506	1,956	468,029	-----	-----
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	3,938,129	106,465	619,459	3,061,222	-----	-----
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----	108,125	1,470	-----	52,812	-----	-----
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-- MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-- YAZOO RIVER AND MOUTH, MISS.,-----	3,117 5,774 14,906	4,594 ----- 2,884	41,906 ----- -----	7,363 22,687 21,022	----- ----- -----	2,883 2,790 -----
ARKANSAS RIVER, ARK.,-----	12,040	1,505	-----	55,670	-----	-----
MOLF RIVER, TENN.,-----	135,541	-----	-----	-----	-----	-----
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	1,672	16,312	25,613	101,232	-----	-----
TENNESSEE RIVER, TENN., ALA. AND KY.,-----	394,723	7,484	104,637	244,812	-----	-----
ILLINOIS RIVER, ILL.,-----	1,603	-----	-----	-----	-----	1,406
PORT OF CHICAGO, ILL.,-----	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	5,729,518	140,626	1,083,197	4,043,058	-----	7,079
YAZOO RIVER AND MOUTH, MISS./ MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES----- MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	3,108 11,812	7,448 -----	----- 16,511	4,163 31,913	----- -----	----- -----
TOTAL, SHIPPING AREA-----	14,920	7,448	16,511	36,076	-----	-----
ARKANSAS RIVER, ARK./ GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.,-- GALVESTON BAY, TEXAS-----	----- -----	----- 7,919	1,345 -----	----- -----	----- -----	----- -----
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES----- MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	2,819 18,251	23,963 275,424	68,729 351,863	37,726 266,202	----- -----	----- -----
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----	-----	-----	1,439	1,400	-----	-----
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-- YAZOO RIVER AND MOUTH, MISS.,-----	-----	-----	2,949	2,995	-----	-----
ARKANSAS RIVER, ARK.,-----	-----	4,231	-----	-----	-----	-----
MOLF RIVER, TENN.,-----	1,448	-----	-----	1,766	-----	-----
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	-----	-----	1,275	-----	-----	-----
TENNESSEE RIVER, TENN., ALA. AND KY.,-----	-----	-----	46,183	1,343	-----	-----
TOTAL, SHIPPING AREA-----	22,518	311,537	473,783	311,432	-----	-----
WHITE RIVER, ARK./ GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.,-- HERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.,-----	----- -----	----- 1,234	1,648 -----	----- -----	----- -----	----- -----
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES----- MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	----- -----	3,724 31,948	4,697 142,608	23,187 172,104	----- -----	----- -----
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----	-----	-----	932	-----	-----	-----
ARKANSAS RIVER, ARK.,-----	-----	1,381	-----	-----	-----	-----
WHITE RIVER, ARK.,-----	-----	2,223	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	-----	38,287	152,108	195,291	-----	-----
MOLF RIVER, TENN./ GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.,-- MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----	----- -----	----- 13,121	3,014 48,660	4,420 139,065	----- -----	----- -----
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	26,603	209,214	122,510	201,889	-----	-----
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----	-----	1,269	-----	-----	-----	-----
ARKANSAS RIVER, ARK.,-----	-----	1,548	-----	-----	-----	-----
TENNESSEE RIVER, TENN., ALA. AND KY.,-----	-----	3,575	-----	1,507	-----	-----
TOTAL, SHIPPING AREA-----	39,724	260,691	235,486	346,881	-----	-----
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE/ GULF INTRACOASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA.,-----	35,890 8,684	----- -----	----- -----	----- -----	----- -----	----- -----
WARRIOR RIVER SYSTEM-----	7,531	-----	6,107	3,142	-----	-----
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.,-- MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----	639,497	77,021	144,403	523,449	-----	-----
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	1,820,860	320,693	469,548	1,498,592	-----	-----
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----	38,243	1,639	-----	48,211	-----	-----
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-- YAZOO RIVER AND MOUTH, MISS.,-----	1,548 18,601	----- -----	1,614 -----	1,600 2,891	----- -----	----- -----
ARKANSAS RIVER, ARK.,-----	4,714	-----	-----	-----	-----	-----
MOLF RIVER, TENN.,-----	171,760	-----	1,598	39,604	-----	-----
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	5,600	-----	10,506	18,285	-----	-----
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON-----	12,970	-----	-----	-----	-----	-----
TENNESSEE RIVER, TENN., ALA. AND KY.,-----	357,809	7,403	150,323	131,945	-----	-----
ILLINOIS RIVER, ILL.,-----	-----	1,474	-----	-----	-----	-----
MINNESOTA RIVER, MINN.,-----	1,484	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	3,125,211	408,230	784,099	2,267,719	-----	-----

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

39

TABLE 1--DOMESTIC INLAND MOVEMENTS OF GRAINS, SOYBEANS, SUGAR AND MOLASSES--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	CORN (CODE 0103)	OTHER GRAINS (CODES 0102, 0104, 0105, 0106)	WHEAT (CODE 0107)	SOYBEANS (CODE 0111)	SUGAR (CODE 2061)	MOLASSES (CODE 2062)
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON/ MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----	4,150					
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	10,960	1,309		18,626		
WOLF RIVER, TENN.,-----	2,715					
TENNESSEE RIVER, TENN., ALA. AND KY.,-----	1,400					
TOTAL, SHIPPING AREA-----	19,241	1,309		18,626		
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH/ MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	4,313		1,400			
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----	4,873					
TOTAL, SHIPPING AREA-----	9,186		1,400			
TENNESSEE RIVER, TENN., ALA. AND KY.,/ HARRIOR RIVER SYSTEM-----	6,076	8,600				
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----	17,199	9,146	6,243	15,309		
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	14,895	76,553	25,016	49,416		
ARKANSAS RIVER, ARK.,-----		1,426				
WOLF RIVER, TENN.,-----	1,576					
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----			1,300	1,500		
TENNESSEE RIVER, TENN., ALA. AND KY.,-----	115,180	24,861	23,656	131,200		
ILLINOIS RIVER, ILL.,-----		3,155				
TOTAL, SHIPPING AREA-----	154,926	119,741	56,215	197,425		
CUMBERLAND RIVER, TENN. AND KY.,/ MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----		1,600	5,941	20,295		
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	25,990	10,224	8,836	60,110		
TENNESSEE RIVER, TENN., ALA. AND KY.,-----	4,313		2,922	11,923		
TOTAL, SHIPPING AREA-----	30,303	11,824	17,699	92,328		
GREEN AND BARREN RIVERS, KY.,/ GULF INTRACOASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA.,-----	4,149					
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----	4,736			3,013		
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	10,333		4,248	28,795		
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----				3,048		
TENNESSEE RIVER, TENN., ALA. AND KY.,-----	4,330			1,450		
TOTAL, SHIPPING AREA-----	23,548		4,248	36,306		
MISSOURI RIVER/ GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.,-----			5,458			
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----	10,480	10,870	1,363	26,214		
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	9,997	24,083	79,019	150,467		
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----		1,414				
ARKANSAS RIVER, ARK.,-----	12,891	1,375				
WOLF RIVER, TENN.,-----				4,045		
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----			24,241	3,018		
TENNESSEE RIVER, TENN., ALA. AND KY.,-----			165,281	2,822		
TOTAL, SHIPPING AREA-----	33,368	37,742	275,362	186,566		
ILLINOIS RIVER, ILL.,/ HARRIOR RIVER SYSTEM-----	5,726					
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.,-----	46,715		1,651	19,722		
CALCASIEU RIVER AND PASS, LA.,-----			1,333			
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----	1,697,173	1,533	22,449	682,178		
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	5,648,295	36,335	94,746	3,206,453		
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----	19,682		1,435	135,262		
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	15,200					
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----				1,495		
YAZOO RIVER AND MOUTH, MISS.,-----	4,778			1,588		
ARKANSAS RIVER, ARK.,-----	6,441	1,631		2,731		
WOLF RIVER, TENN.,-----	300,274			134,744		
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	1,401			23,919		
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-----	1,400					
TENNESSEE RIVER, TENN., ALA. AND KY.,-----	478,712			80,884		
ILLINOIS RIVER, ILL.,-----	79,486	11,852				
MINNESOTA RIVER, MINN.,-----	1,400					
PORT OF CHICAGO, ILL.,-----	5,320					
TOTAL, SHIPPING AREA-----	8,312,003	51,351	121,614	4,288,976		
BLACK RIVER, WIS.,/ MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	6,257			1,586		
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----				1,370		
TENNESSEE RIVER, TENN., ALA. AND KY.,-----				1,572		
TOTAL, SHIPPING AREA-----	6,257			4,528		

## Waterborne Commerce of the United States, 1986

TABLE 1--DOMESTIC INLAND MOVEMENTS OF GRAINS, SOYBEANS, SUGAR AND MOLASSES--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	CORN (CODE 0103)	OTHER GRAINS (CODES 0102, 0104, 0105, 0106)	WHEAT (CODE 0107)	SOYBEANS (CODE 0111)	SUGAR (CODE 2061)	MOLASSES (CODE 2062)
MINNESOTA RIVER, MINN./						
GULF INTRACOASTAL WATERWAY MOBILE BAY, ALA., TO NEW ORLEANS, LA.,			1,466			
GULF INTRACOASTAL WATERWAY CORPUS CHRISTI, TEXAS, TO THE MEXICAN				1,123		
BORDER				89,056		
MISSISSIPPI RIVER NEW ORLEANS, LA., TO MOUTH OF PASSER	81,714	1,400	101,616			
MISSISSIPPI RIVER BATON ROUGE, LA., TO BUT NOT INCLUDING NEW	431,910		380,037	579,289		
ORLEANS, LA.						
MISSISSIPPI RIVER MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON	8,866			1,706		
ROUGE, LA.	1,426		2,906			
MISSISSIPPI RIVER MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	1,461	2,507		3,460		
YAZOO RIVER AND MOUTH, MISS.	179,724			15,287		
HOLF RIVER, TENN.		1,470	29,414	9,270		
OHIO RIVER ENGINEER DISTRICT, LOUISVILLE	122,401		150,050	39,121		
TENNESSEE RIVER, TENN., ALA. AND KY.						
TOTAL, SHIPPING AREA	823,462	5,457	673,477	740,312		
LAKE MICHIGAN/						
MISSISSIPPI RIVER NEW ORLEANS, LA., TO MOUTH OF PASSER	2,846			1,349		
MISSISSIPPI RIVER BATON ROUGE, LA., TO BUT NOT INCLUDING NEW	20,820		10,466	53,560		
ORLEANS, LA.	4,949					
HOLF RIVER, TENN.	3,175					
TENNESSEE RIVER, TENN., ALA. AND KY.						
TOTAL, SHIPPING AREA	31,790		10,466	54,909		
PORT OF CHICAGO, ILL./						
HARRIOR RIVER SYSTEM	1,646					
GULF INTRACOASTAL WATERWAY MOBILE BAY, ALA., TO NEW ORLEANS, LA.,				1,462		
MISSISSIPPI RIVER NEW ORLEANS, LA., TO MOUTH OF PASSER	160,076		30,877	114,197		
MISSISSIPPI RIVER BATON ROUGE, LA., TO BUT NOT INCLUDING NEW	109,742	1,726	50,996	269,997		
ORLEANS, LA.						
MISSISSIPPI RIVER MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON	3,310					
ROUGE, LA.	1,596		13,256			
MISSISSIPPI RIVER MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER				1,500		
MISSISSIPPI RIVER MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	24,993			25,992		
HOLF RIVER, TENN.	8,190	6,521	15,455	13,173		
TENNESSEE RIVER, TENN., ALA. AND KY.	14,963					
ILLINOIS RIVER, ILL.	1,751					
PORT OF CHICAGO, ILL.						
TOTAL, SHIPPING AREA	335,067	8,247	110,584	426,521		
LOS ANGELES AND LONG BEACH HARBORS, CALIF./						
LOS ANGELES AND LONG BEACH HARBORS, CALIF.						63,308
COLUMBIA RIVER VANCOUVER, WASH., TO THE MOUTH/						
COLUMBIA RIVER VANCOUVER, WASH., TO THE MOUTH			2,997			
COLUMBIA RIVER ABOVE CELILO FALLS TO KENNERICK, WASH.						11,981
WILLAMETTE AND YAMHILL RIVERS, OREG.			4,507			4,363
TOTAL, SHIPPING AREA			7,504			16,344
COLUMBIA RIVER VANCOUVER, WASH., TO THE DALLES, OREG./						
COLUMBIA RIVER VANCOUVER, WASH., TO THE MOUTH		2,561	6,666			
WILLAMETTE AND YAMHILL RIVERS, OREG.		2,792	67,322			
TOTAL, SHIPPING AREA		5,353	73,988			
COLUMBIA RIVER ABOVE CELILO FALLS TO KENNERICK, WASH./						
COLUMBIA RIVER VANCOUVER, WASH., TO THE MOUTH	3,409	13,579	517,592	606		
WILLAMETTE AND YAMHILL RIVERS, OREG.	2,763	71,956	525,818			
TOTAL, SHIPPING AREA	6,172	85,535	1,043,410	606		
WILLAMETTE AND YAMHILL RIVERS, OREG./						
COLUMBIA RIVER VANCOUVER, WASH., TO THE MOUTH			11,944			
COLUMBIA RIVER ABOVE CELILO FALLS TO KENNERICK, WASH.						2,141
WILLAMETTE AND YAMHILL RIVERS, OREG.			5,325			566
TOTAL, SHIPPING AREA			17,269			2,707
SNAKE RIVER, OREG., WASH. AND IDAHO/						
COLUMBIA RIVER VANCOUVER, WASH., TO THE MOUTH		61,636	1,002,484	25		
WILLAMETTE AND YAMHILL RIVERS, OREG.		217,457	1,307,488			
TOTAL, SHIPPING AREA		279,093	2,309,972	25		
PUGET SOUND AND TRIBUTARY WATERS/						
PUGET SOUND AND TRIBUTARY WATERS						1,900

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

41

TABLE 2--DOMESTIC INLAND MOVEMENTS OF LOGS AND LUMBER  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	LOGS, POSTS, POLES, AND PILING (CODES 2411, 2412, 2414)	FOREST PROD- UCTS, NEC (CODES 0861, 2415, 2416)	LUMBER (CODE 2421)	WORKED WOOD (CODE 2431)	PULPWOOD (CODE 2415)
TOTAL, ALL SHIPPING AREAS-----	14,839,281	3,893,297	67,524	113,722	3,004,191
VARRAGANSETT BAY/ PORT OF BOSTON, MASS.-----	1	-----	-----	-----	-----
NARRAGANSETT BAY-----	1	-----	1	-----	-----
TOTAL, SHIPPING AREA-----	2	-----	1	-----	-----
CHESAPEAKE BAY/ YORK RIVER, VA.-----	-----	158,933	-----	-----	25,639
NANTICOKE RIVER, DEL. AND MD./ YORK RIVER, VA.-----	-----	-----	-----	-----	811
RAPPANNOCK RIVER, VA./ YORK RIVER, VA.-----	-----	-----	-----	-----	20,817
YORK RIVER, VA./ CHESAPEAKE BAY-----	21,950	-----	-----	-----	-----
HAMPTON ROADS, VA./ BALTIMORE HARBOR AND CHANNELS, MD.-----	800	-----	-----	-----	-----
ATLANTIC INTRACOASTAL WATERWAY' ENGINEER DISTRICT, NORFOLK/ HAMPTON ROADS, VA.-----	-----	-----	-----	-----	87,166
ALDENHARLE SOUND, N.C./ YORK RIVER, VA.-----	-----	83,342	-----	-----	70,433
HAMPTON ROADS, VA.-----	-----	-----	-----	-----	70,433
TOTAL, SHIPPING AREA-----	-----	83,342	-----	-----	70,433
CHODAN RIVER, N.C./ HAMPTON ROADS, VA.-----	-----	-----	-----	-----	48,110
ROANOKE RIVER, N.C./ HAMPTON ROADS, VA.-----	-----	-----	-----	-----	113,269
INTRACOASTAL WATERWAY, CALOOSAHATCHEE RIVER TO ANCLOTE RIVER, FLA./ INTRACOASTAL WATERWAY, CALOOSAHATCHEE RIVER TO ANCLOTE RIVER, FLA.-----	100	-----	-----	-----	-----
GULF OF MEXICO/ GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.-----	103	-----	-----	-----	-----
WARRIOR RIVER SYSTEM/ WARRIOR RIVER SYSTEM-----	11,500	178,998	-----	-----	47,085
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----	-----	4,800	-----	-----	30,030
INNERHARBOR NAVIGATION CANAL, LA.-----	-----	-----	1,400	-----	-----
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	1,070	-----	-----	-----	-----
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON-----	-----	-----	1,244	-----	-----
TENNESSEE RIVER, TENN., ALA. AND KY.-----	-----	12,753	-----	-----	-----
MONONGAHELA RIVER, PA. AND N.YA.-----	-----	-----	966	-----	-----
PORT OF CHICAGO, ILL.-----	-----	-----	5,837	-----	-----
TOTAL, SHIPPING AREA-----	12,578	196,551	9,447	-----	77,123
ALABAMA-COOSA RIVERS, ALA. AND GA./ WARRIOR RIVER SYSTEM-----	20,850	-----	-----	-----	2,529,030
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----	-----	-----	-----	-----	7,030
TOTAL, SHIPPING AREA-----	20,850	-----	-----	-----	2,536,112
GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX./ GULF OF MEXICO-----	160	-----	890	-----	-----
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSER-----	132	-----	30	-----	-----
TOTAL, SHIPPING AREA-----	292	-----	920	-----	-----
OUCHITA AND BLACK RIVERS, ARK. AND LA./ OUCHITA AND BLACK RIVERS, ARK. AND LA.-----	9,600	-----	-----	-----	-----
SABINE-NECHES WATERWAY, TEXAS/ MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSER-----	-----	-----	-----	19,478	-----
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSER/ GULF OF MEXICO-----	103	-----	-----	-----	-----
LAKE MAUREPAS, LA.-----	-----	-----	-----	558	-----
SALVESTON BAY, TEXAS-----	-----	-----	-----	250	-----
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	-----	-----	5,529	2,680	-----
MONONGAHELA RIVER, PA. AND N.YA.-----	-----	-----	1,484	-----	-----
LAKE MICHIGAN-----	-----	-----	-----	7,795	-----
PORT OF CHICAGO, ILL.-----	-----	-----	1,150	3,212	-----
TOTAL, SHIPPING AREA-----	103	-----	8,163	14,503	-----
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA./ MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSER-----	-----	-----	-----	824	-----
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA./ MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSER-----	633	-----	1,167	47,831	-----
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	8,067	-----	-----	-----	-----
TAZOO RIVER AND MOUTH, MISS.-----	151,884	-----	-----	-----	-----



## Waterborne Commerce of the United States, 1986

TABLE 2--DOMESTIC INLAND MOVEMENTS OF LOGS AND LUMBER--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	LOGS, PORTS, POLES, AND PILING (CODES 2411, 2412, 2413)	FOREST PROD- UCTS, NEC (CODES 0861, 2413, 2416)	LUMBER (CODE 2421)	WORKED WOOD (CODE 2431)	PULPHOOD (CODE 2415)
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON				2,487	
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH				3,741	
MONONGAHELA RIVER, PA. AND W.VA.			3,730	18,521	
MINNESOTA RIVER, MINN.				1,458	
PORT OF CHICAGO, ILL.			1,238		
TOTAL, SHIPPING AREA	160,584		6,135	73,238	
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER/ MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES	5,980		3,431		
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER/ MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	1,019				
YAZOO RIVER AND MOUTH, MISS./ PORT OF CHICAGO, ILL.					1,384
ARKANSAS RIVER, ARK./ MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES				4,189	
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER				1,402	
YAZOO RIVER AND MOUTH, MISS.	6,474				
TOTAL, SHIPPING AREA	6,474			5,591	
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE/ MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES	5,802		573		
TENNESSEE RIVER, TENN., ALA. AND KY./ MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES	6,106		970		
TENNESSEE RIVER, TENN., ALA. AND KY.	116,287	368,989			2,940
TOTAL, SHIPPING AREA	122,393	368,989	970		2,940
GREEN AND BARREN RIVERS, KY./ TENNESSEE RIVER, TENN., ALA. AND KY.	750				
PORT OF CHICAGO, ILL./ TENNESSEE RIVER, TENN., ALA. AND KY.			2,224		
LAKE SUPERIOR/ LAKE SUPERIOR	2,130				
LAKE OF THE WOODS, MINN./ LAKE OF THE WOODS, MINN.			41		
LOS ANGELES AND LONG BEACH HARBORS, CALIF./ LOS ANGELES AND LONG BEACH HARBORS, CALIF.		59,423			
COOS BAY, OREG./ COOS BAY, OREG.	336,673				
COOS AND MILLICOMA RIVERS, OREG./ COOS BAY, OREG.	1,144,348				
UMPUGA RIVER, OREG./ UMPUGA RIVER, OREG.	27,900				
SIUSLAN RIVER, OREG./ SIUSLAN RIVER, OREG.	64,105				
COLUMBIA RIVER' VANCOUVER, WASH., TO THE MOUTH/ COLUMBIA RIVER' VANCOUVER, WASH., TO THE MOUTH	1,919,155	157,899	1,696		
COLUMBIA RIVER' VANCOUVER, WASH., TO THE DALLES, OREG.	129,396	43,578	68		
WILLAMETTE AND YAMHILL RIVERS, OREG.	246,177	933	21,178		
SNAKE RIVER, OREG., WASH. AND IDAHO		3,847			
TOTAL, SHIPPING AREA	2,294,728	206,257	22,942		
COLUMBIA RIVER' VANCOUVER, WASH., TO THE DALLES, OREG./ COLUMBIA RIVER' VANCOUVER, WASH., TO THE MOUTH	155,901	523,765	68		
COLUMBIA RIVER' VANCOUVER, WASH., TO THE DALLES, OREG.	654,247	219,904	152		
COLUMBIA RIVER' ABOVE CELILO FALLS TO KENNEBICK, WASH.		550			
WILLAMETTE AND YAMHILL RIVERS, OREG.	19,644		4,734		
SNAKE RIVER, OREG., WASH. AND IDAHO		36,595			
TOTAL, SHIPPING AREA	829,792	780,814	4,954		
COLUMBIA RIVER' ABOVE CELILO FALLS TO KENNEBICK, WASH./ COLUMBIA RIVER' VANCOUVER, WASH., TO THE MOUTH		352,312			
COLUMBIA RIVER' VANCOUVER, WASH., TO THE DALLES, OREG.		28,651			
SNAKE RIVER, OREG., WASH. AND IDAHO		1,858			
TOTAL, SHIPPING AREA		382,821			
COLUMBIA RIVER' WENATCHEE, WASH., TO INTERNATIONAL BOUNDARY/ COEUR D'ALENE LAKE	14,625				
WILLAMETTE AND YAMHILL RIVERS, OREG./ COLUMBIA RIVER' VANCOUVER, WASH., TO THE MOUTH	111,516	228,348	50		
COLUMBIA RIVER' VANCOUVER, WASH., TO THE DALLES, OREG.	1,748	95,619	236		
WILLAMETTE AND YAMHILL RIVERS, OREG.	498,004				
TOTAL, SHIPPING AREA	611,268	323,967	286		

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

43

TABLE 2--DOMESTIC INLAND MOVEMENTS OF LOGS AND LUMBER--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	LOGS, POLES, AND PILING (CODES 2411, 2412, 2414)	FOREST PROD- UCTS, NEC. (CODES 9861, 2413, 2416)	LUMBER (CODE 2421)	WORKED WOOD (CODE 2431)	PULPHOOD (CODE 2415)
SHAKE RIVER, OREG., WASH. AND IDAHO/ COLUMBIA RIVER, VANCOUVER, WASH., TO THE MOUTH	11,692	287,684	857	88	
COLUMBIA RIVER, VANCOUVER, WASH., TO THE DALLES, OREG.	13,291	11,972			
WILLAMETTE AND YAMHILL RIVERS, OREG.	14,106				
SHAKE RIVER, OREG., WASH. AND IDAHO	1,650	2,560			
TOTAL, SHIPPING AREA	40,739	302,136	857	88	
COEUR D'ALENE LAKE/ COLUMBIA RIVER, WENATCHEE, WASH., TO INTERNATIONAL BOUNDARY	245,616				
COEUR D'ALENE LAKE	369,408				
TOTAL, SHIPPING AREA	614,824				
GRAYS HARBOR AND CHEHALIS RIVER, WASH./ GRAYS HARBOR AND CHEHALIS RIVER, WASH.	550				
HOQUIAM RIVER, WASH./ GRAYS HARBOR AND CHEHALIS RIVER, WASH.	550				
PUGET SOUND AND TRIBUTARY WATERS/ PUGET SOUND AND TRIBUTARY WATERS	7,484,754	383,462	6,272		
LOWER & UPPER SOUTHEAST ALASKA/ LOWER & UPPER SOUTHEAST ALASKA	997,675	246,582	310		20,387
PRINCE WILLIAM & COOK INLET, ALASKA AREA/ PRINCE WILLIAM & COOK INLET, ALASKA AREA	4,159				
ALASKA PENINSULA/ ALASKA PENINSULA	261				

## Waterborne Commerce of the United States, 1986

TABLE 3--DOMESTIC INLAND MOVEMENTS OF COAL AND LIGNITE (CODE 1121)  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	TONS
TOTAL, ALL SHIPPING AREAS-----	167,007,401
BALTIMORE HARBOR AND CHANNELS, MD./ DELAWARE RIVER' NEW JERSEY SIDE BALTIMORE HARBOR AND CHANNELS, MD.-----	155,809 1,615,683
TOTAL, SHIPPING AREA-----	1,771,472
HAMPTON ROADS, VA./ DELAWARE RIVER' NEW JERSEY SIDE BALTIMORE HARBOR AND CHANNELS, MD. JAMES RIVER, VA.-----	625,345 609,739 561,266
TOTAL, SHIPPING AREA-----	1,816,307
INTRACOASTAL WATERWAY, CALDOUSAHATCHEE RIVER TO ANCLOTE RIVER, FLA./ INTRACOASTAL WATERWAY, CALDOUSAHATCHEE RIVER TO ANCLOTE RIVER, FLA.-----	20,021
HARRIOR RIVER SYSTEM/ GULF INTRACOASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA., ESCAMBIA AND CONECUH RIVERS, FLA. AND ALA., HARRIOR RIVER SYSTEM-----	1,015,919 20,989 8,374,461
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA., GULF INTRACOASTAL WATERWAY' CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	332,572 5,740
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA., OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-----	163,255 40,159 19,199 1,161
TOTAL, SHIPPING AREA-----	9,993,455
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA./ MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	5,692 15,977
TOTAL, SHIPPING AREA-----	21,669
SABINE-NECHES WATERWAY, TEXAS/ MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----	6,109
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES/ OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE TENNESSEE RIVER, TENN., ALA. AND KY., GREEN AND BARREN RIVERS, KY.-----	1,500 45,009 2,937
TOTAL, SHIPPING AREA-----	49,441
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA./ MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA., MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	3,078 6,315 4,108
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-----	1,581 1,625
TOTAL, SHIPPING AREA-----	16,707
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA./ MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----	1,900
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER/ HARRIOR RIVER SYSTEM MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA., MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA., MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	3,221 1,310,538 27,096 6,681,918 462,685
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE TENNESSEE RIVER, TENN., ALA. AND KY., ILLINOIS RIVER, ILL., BLACK RIVER, MIS., PORT OF CHICAGO, ILL.-----	1,621,492 2,913 2,493,859 1,358,358 1,427 87,420
TOTAL, SHIPPING AREA-----	14,052,927
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER/ MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA., MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	3,153 1,585,166
ST. CROIX RIVER, MIS. AND MINN., MINNESOTA RIVER, MINN.,-----	222,113 49,036
TOTAL, SHIPPING AREA-----	1,659,468
YAZOO RIVER AND MOUTH, MISS./ MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	1,454
ARKANSAS RIVER, ARK./ GALVESTON BAY, TEXAS MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA., OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON PORT OF CHICAGO, ILL.-----	48,333 411,198 127,435 1,431 4,323
TOTAL, SHIPPING AREA-----	577,720

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

45

TABLE 3--DOMESTIC INLAND MOVEMENTS OF COAL AND LIGNITE (CODE 1121)--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1966

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	TONS
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE/ GULF INTRACOASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA.,-----	3,090,655
APALACHEE BAY, CHATTAHOOCHEE AND FLINT RIVERS, GA. AND FLA.,-----	66,299
ESCAMBIA AND CONECUM RIVERS, FLA. AND ALA.,-----	1,448,205
HARBOR RIVER SYSTEM-----	119,679
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.,-----	436,975
PEARL RIVER, MISS. AND LA.,-----	108,481
LAKE PONTCHARTRAIN, LA.,-----	7,193
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----	2,733,848
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	472,676
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----	353,617
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	222,254
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	1,635,020
WOLF RIVER, TENN.,-----	1,126,767
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	11,853,930
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON-----	882,151
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-----	6,001
TENNESSEE RIVER, TENN., ALA. AND KY.,-----	723,405
CUMBERLAND RIVER, TENN. AND KY.,-----	6,471,148
GREEN AND SARREN RIVERS, KY.,-----	621,544
MONONGAMELA RIVER, PA. AND W.VA.,-----	13,705
MISSOURI RIVER-----	7,184
ILLINOIS RIVER, ILL.,-----	764,352
BLACK RIVER, MIS.,-----	14,319
LAKE MICHIGAN-----	1,600
PORT OF CHICAGO, ILL.,-----	308,306
TOTAL, SHIPPING AREA-----	33,487,514
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON/ HARBOR RIVER SYSTEM-----	214,407
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.,-----	426,370
PEARL RIVER, MISS. AND LA.,-----	1,641
INNERHARBOR NAVIGATION CANAL, LA.,-----	4,621
GULF INTRACOASTAL WATERWAY' PLAQUEMINE TO MORGAN CITY ROUTE, LA.,-----	4,925
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----	3,205,490
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	541,849
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----	146,712
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	972,378
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	340,471
ARKANSAS RIVER, ARK.,-----	20,937
WOLF RIVER, TENN.,-----	9,656
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	3,413,656
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON-----	10,408,473
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-----	3,580,370
TENNESSEE RIVER, TENN., ALA. AND KY.,-----	1,540,256
GREEN AND SARREN RIVERS, KY.,-----	3,690
KANAWHA RIVER, W.VA.,-----	1,476
MONONGAMELA RIVER, PA. AND W.VA.,-----	2,797,776
ALLEGHENY RIVER, PA.,-----	17,927
ILLINOIS RIVER, ILL.,-----	101,482
PORT OF CHICAGO, ILL.,-----	668,131
TOTAL, SHIPPING AREA-----	28,403,096
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH/ MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----	116,820
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	10,910
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	67,703
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	1,221,861
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON-----	2,431,535
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-----	5,604,767
TENNESSEE RIVER, TENN., ALA. AND KY.,-----	2,638,684
GREEN AND SARREN RIVERS, KY.,-----	15,794
KANAWHA RIVER, W.VA.,-----	2,021
MONONGAMELA RIVER, PA. AND W.VA.,-----	302,916
ALLEGHENY RIVER, PA.,-----	271,960
ILLINOIS RIVER, ILL.,-----	11,277
LAKE MICHIGAN-----	3,080
TOTAL, SHIPPING AREA-----	12,769,246
TENNESSEE RIVER, TENN., ALA. AND KY./ ESCAMBIA AND CONECUM RIVERS, FLA. AND ALA.,-----	167,782
HARBOR RIVER SYSTEM-----	109,135
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.,-----	1,186,149
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----	257,206
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	89,704
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	395,102
WOLF RIVER, TENN.,-----	67,584
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	1,400
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON-----	2,800
TENNESSEE RIVER, TENN., ALA. AND KY.,-----	6,636,388
CUMBERLAND RIVER, TENN. AND KY.,-----	309,518
MONONGAMELA RIVER, PA. AND W.VA.,-----	1,600
ILLINOIS RIVER, ILL.,-----	86,893
PORT OF CHICAGO, ILL.,-----	25,702
TOTAL, SHIPPING AREA-----	9,532,963
CUMBERLAND RIVER, TENN. AND KY./ GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.,-----	9,112
CUMBERLAND RIVER, TENN. AND KY.,-----	4,796
TOTAL, SHIPPING AREA-----	13,908

## Waterborne Commerce of the United States, 1986

TABLE 3--DOMESTIC INLAND MOVEMENTS OF COAL AND LIGNITE (CODE 1121)--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	TONS
GREEN AND BARREN RIVERS, KY./	
MISSISSIPPI RIVER* NEW ORLEANS, LA., TO MOUTH OF PASSES	1,967,592
MISSISSIPPI RIVER* MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	113,387
WOLF RIVER, TENN.	288,671
OHIO RIVER* ENGINEER DISTRICT, LOUISVILLE	5,285,019
TENNESSEE RIVER, TENN., ALA. AND KY.	82,029
CUMBERLAND RIVER, TENN. AND KY.	222,929
GREEN AND BARREN RIVERS, KY.	7,250
ILLINOIS RIVER, ILL.	54,198
PORT OF CHICAGO, ILL.	55,620
TOTAL, SHIPPING AREA	8,054,695
BIG SANDY RIVER, KY. AND W.VA./	
HARRIOR RIVER SYSTEM	7,138
PEARL RIVER, MISS. AND LA.	1,470
INNERHARBOR NAVIGATION CANAL, LA.	4,502
GULF INTRACOASTAL WATERWAY* PLAJUEMINE TO MORGAN CITY ROUTE, LA.	3,027
GALVESTON BAY, TEXAS	6,430
GULF INTRACOASTAL WATERWAY* GALVESTON TO CORPUS CHRISTI, TEXAS	1,543
MISSISSIPPI RIVER* NEW ORLEANS, LA., TO MOUTH OF PASSES	606,785
MISSISSIPPI RIVER* BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	1,586,981
MISSISSIPPI RIVER* MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.	110,859
MISSISSIPPI RIVER* MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	52,609
MISSISSIPPI RIVER* MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	288,526
WOLF RIVER, TENN.	10,472
OHIO RIVER* ENGINEER DISTRICT, LOUISVILLE	1,554,754
OHIO RIVER* ENGINEER DISTRICT, HUNTINGTON	1,704,276
OHIO RIVER* ENGINEER DISTRICT, PITTSBURGH	392,646
TENNESSEE RIVER, TENN., ALA. AND KY.	69,317
MONONGAHELA RIVER, PA. AND W.VA.	14,380
ALLEGHENY RIVER, PA.	4,781
ILLINOIS RIVER, ILL.	28,655
PORT OF CHICAGO, ILL.	44,895
TOTAL, SHIPPING AREA	6,474,046
KANAWHA RIVER, W.VA./	
HARRIOR RIVER SYSTEM	68,865
GULF INTRACOASTAL WATERWAY* MOBILE BAY, ALA., TO NEW ORLEANS, LA.	10,330
INNERHARBOR NAVIGATION CANAL, LA.	2,912
GULF INTRACOASTAL WATERWAY* CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER	3,618
MISSISSIPPI RIVER* NEW ORLEANS, LA., TO MOUTH OF PASSES	1,412,214
MISSISSIPPI RIVER* BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	1,141,524
MISSISSIPPI RIVER* MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.	7,627
MISSISSIPPI RIVER* MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	83,707
MISSISSIPPI RIVER* MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	107,493
ARKANSAS RIVER, ARK.	30,093
WOLF RIVER, TENN.	55,418
OHIO RIVER* ENGINEER DISTRICT, LOUISVILLE	1,331,064
OHIO RIVER* ENGINEER DISTRICT, HUNTINGTON	4,593,755
OHIO RIVER* ENGINEER DISTRICT, PITTSBURGH	2,675,125
TENNESSEE RIVER, TENN., ALA. AND KY.	4,513
KANAWHA RIVER, W.VA.	237,573
MONONGAHELA RIVER, PA. AND W.VA.	488,272
ILLINOIS RIVER, ILL.	447,466
PORT OF CHICAGO, ILL.	7,671
TOTAL, SHIPPING AREA	12,709,240
MONONGAHELA RIVER, PA. AND W.VA./	
HARRIOR RIVER SYSTEM	124,192
MISSISSIPPI RIVER* NEW ORLEANS, LA., TO MOUTH OF PASSES	463,998
MISSISSIPPI RIVER* BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	105,337
MISSISSIPPI RIVER* MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	13,301
MISSISSIPPI RIVER* MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	489,971
OHIO RIVER* ENGINEER DISTRICT, LOUISVILLE	339,509
OHIO RIVER* ENGINEER DISTRICT, HUNTINGTON	1,447,873
OHIO RIVER* ENGINEER DISTRICT, PITTSBURGH	4,849,740
TENNESSEE RIVER, TENN., ALA. AND KY.	1,400
CUMBERLAND RIVER, TENN. AND KY.	362,867
BIG SANDY RIVER, KY. AND W.VA.	1,708
KANAWHA RIVER, W.VA.	16,511
MONONGAHELA RIVER, PA. AND W.VA.	13,176,759
ALLEGHENY RIVER, PA.	396,026
ILLINOIS RIVER, ILL.	1,719
TOTAL, SHIPPING AREA	21,790,911
ALLEGHENY RIVER, PA./	
MISSISSIPPI RIVER* NEW ORLEANS, LA., TO MOUTH OF PASSES	3,045
MISSISSIPPI RIVER* BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	9,126
MISSISSIPPI RIVER* MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	17,628
OHIO RIVER* ENGINEER DISTRICT, LOUISVILLE	1,541
OHIO RIVER* ENGINEER DISTRICT, HUNTINGTON	30,038
TENNESSEE RIVER, TENN., ALA. AND KY.	1,482
TOTAL, SHIPPING AREA	62,860
ILLINOIS RIVER, ILL./	
MISSISSIPPI RIVER* NEW ORLEANS, LA., TO MOUTH OF PASSES	1,617
PORT OF CHICAGO, ILL.	3,469,220
TOTAL, SHIPPING AREA	3,470,837

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

47

TABLE 3--DOMESTIC INLAND MOVEMENTS OF COAL AND LIGNITE (CODE 1121)--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1966

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	TONS
LAKE MICHIGAN/ MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	1,472
PORT OF CHICAGO, ILL./ MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES	1,303
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	1,510
ILLINOIS RIVER, ILL.	10,980
PORT OF CHICAGO, ILL.	19,163
TOTAL, SHIPPING AREA	32,956

## Waterborne Commerce of the United States, 1986

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	GASOLINE (CODE 2911)	DISTILLATE FUEL OIL (CODE 2914)	CRUDE PETROLEUM (CODE 1311)	JET FUEL (CODE 2912)	KEROSENE (CODE 2913)	RESIDUAL FUEL OIL (CODE 2915)	NAPHTHA (CODE 2917)	LUBRI- CATING OILS AND GREASES (CODE 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2919, 2921, 2991)
TOTAL, ALL SHIPPING AREAS----	37,100,730	31,351,497	46,708,575	5,364,801	1,132,951	57,999,413	5,112,131	3,111,873	8,732,375
PENOBSCOT RIVER, MAINE/ PENOBSCOT RIVER, MAINE-----	3	61,783	-----	-----	6,262	-----	-----	-----	-----
PORTLAND HARBOR, MAINE/ PORTLAND HARBOR, MAINE-----	11,106	49,166	-----	1,706	-----	50,508	-----	29	-----
GLOUCESTER HARBOR, MASS./ GLOUCESTER HARBOR, MASS.-----	-----	22,157	-----	-----	3,109	-----	-----	78	-----
PORT OF BOSTON, MASS./ PORT OF BOSTON, MASS.-----	153,390	378,488	-----	27,197	7,084	130,309	-----	-----	-----
NARRAGANSETT BAY/ NARRAGANSETT BAY- PROVIDENCE RIVER AND HARBOR, R.I.-----	-----	78,958	-----	-----	-----	2,766	-----	-----	-----
-----	10,396	205,648	-----	-----	10,817	32,349	-----	-----	-----
TOTAL, SHIPPING AREA-----	10,396	284,606	-----	-----	10,817	35,115	-----	-----	-----
PROVIDENCE RIVER AND HARBOR, R.I./ NARRAGANSETT BAY- PROVIDENCE RIVER AND HARBOR, R.I.-----	25,423	75,396	-----	-----	-----	16,033	-----	-----	-----
-----	19,664	159,494	-----	-----	2,560	21,585	-----	-----	-----
TOTAL, SHIPPING AREA-----	45,087	234,890	-----	-----	2,560	37,618	-----	-----	-----
LONG ISLAND SOUND, N.Y./ LONG ISLAND SOUND, N.Y.-----	14,805	53,937	-----	9,812	-----	-----	-----	-----	-----
PORT OF NEW YORK, N.Y. AND N.J./ PORT OF NEW YORK, N.Y. AND N.J.- UPPER HUDSON RIVER, N.Y.-----	8,429,529	9,094,270	802,291	194,626	318,447	8,188,680	302,327	40,122	219,654
-----	3,262,498	1,981,277	56,601	37,343	186,878	2,562,756	-----	-----	44,253
NEW YORK STATE BARGE CANAL- LAKE CHAMPLAIN, N.Y. AND VT.-----	65,608	10,467	-----	38,055	9,248	-----	-----	-----	20,058
TOTAL, SHIPPING AREA-----	11,757,631	11,086,014	858,892	270,024	516,573	10,751,436	302,327	40,122	283,965
UPPER HUDSON RIVER, N.Y./ PORT OF NEW YORK, N.Y. AND N.J.- UPPER HUDSON RIVER, N.Y.-----	-----	50,383	-----	-----	-----	-----	6,835	-----	42,911
-----	6,489	82,185	-----	-----	3,943	19,231	-----	-----	-----
NEW YORK STATE BARGE CANAL- LAKE CHAMPLAIN, N.Y. AND VT.-----	39,391	4,797	-----	-----	808	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	45,880	140,909	-----	-----	4,751	19,231	6,835	-----	42,911
DELAWARE RIVER: NEW JERSEY SIDE/ UPPER HUDSON RIVER, N.Y.-----	-----	7,786	-----	-----	-----	-----	-----	-----	-----
DELAWARE RIVER: NEW JERSEY SIDE- DELAWARE RIVER: PENNSYLVANIA-----	21,438	57,497	-----	5,989	2,885	325,724	12,899	-----	-----
AND DELAWARE SIDE-----	56,202	106,336	29,414	-----	4,188	807,529	-----	-----	614
CHRISTINA RIVER, DEL.-----	-----	15,269	-----	-----	1,477	68,387	-----	-----	-----
SCHUYLKILL RIVER, PA.-----	23,293	140,445	-----	-----	26,914	487,350	-----	5,646	-----
CHESAPEAKE BAY-----	3,875	7,883	-----	-----	2,710	-----	-----	-----	-----
NANTICOKE RIVER, DEL. AND MD.-----	-----	-----	-----	-----	-----	22,871	-----	-----	38,554
BALTIMORE HARBOR AND CHANNELS, MD.-----	12,192	9,976	-----	-----	-----	79,165	-----	-----	51,290
POTOMAC RIVER AND TRIBUTARIES-----	-----	-----	-----	-----	-----	63,628	-----	-----	48,930
HAMPTON ROADS, VA.-----	2,605	-----	-----	-----	-----	44,239	-----	-----	29,952
TOTAL, SHIPPING AREA-----	119,605	345,192	29,414	5,989	38,174	1,898,893	12,899	5,646	169,540
DELAWARE RIVER: PENNSYLVANIA AND DELAWARE SIDE/ DELAWARE RIVER: NEW JERSEY SIDE- DELAWARE RIVER: PENNSYLVANIA-----	618,526	459,480	957,147	79,859	-----	451,466	-----	4,655	3,445
AND DELAWARE SIDE-----	157,730	199,011	8,705,956	12,250	-----	372,249	1,204	1,535	3,974
CONANSEY RIVER, N.J.-----	-----	1,503	-----	-----	-----	-----	-----	-----	-----
MANTUA CREEK, N.J.-----	-----	2,391	-----	-----	-----	-----	-----	-----	-----
MISPELLION RIVER, DEL.-----	-----	-----	-----	73,755	-----	-----	-----	-----	-----
CHRISTINA RIVER, DEL.-----	-----	55,289	-----	-----	-----	91,413	-----	73	-----
SCHUYLKILL RIVER, PA.-----	60,010	254,207	-----	2,136	8,052	658,413	-----	5,183	41,512
CHESAPEAKE BAY-----	16,890	6,970	-----	-----	1,730	-----	-----	-----	-----
BALTIMORE HARBOR AND CHANNELS, MD.-----	576,471	119,750	-----	1,877	30,671	121,606	-----	16,223	-----
POTOMAC RIVER AND TRIBUTARIES-----	-----	4,560	-----	74,748	-----	135,134	-----	-----	-----
YORK RIVER, VA.-----	-----	-----	-----	108,617	-----	-----	-----	-----	-----
HAMPTON ROADS, VA.-----	92,009	47,539	-----	1,138	-----	68,948	-----	-----	-----
TOTAL, SHIPPING AREA-----	1,521,636	1,150,700	9,663,103	354,380	40,453	1,899,229	1,204	27,669	48,931
CHRISTINA RIVER, DEL./ DELAWARE RIVER: NEW JERSEY SIDE- DELAWARE RIVER: PENNSYLVANIA-----	17,188	115	-----	-----	-----	2,708	-----	-----	-----
AND DELAWARE SIDE-----	-----	57	-----	-----	-----	7,254	-----	-----	-----
CHRISTINA RIVER, DEL.-----	-----	350	-----	-----	-----	216	-----	-----	-----
SCHUYLKILL RIVER, PA.-----	35,109	-----	-----	-----	-----	822	-----	-----	-----
BALTIMORE HARBOR AND CHANNELS, MD.-----	-----	-----	-----	-----	-----	439	-----	-----	-----
TOTAL, SHIPPING AREA-----	52,297	522	-----	-----	-----	11,439	-----	-----	-----

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

49

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	GASOLINE (CODE 2911)	DISTILLATE FUEL OIL (CODE 2914)	CRUDE PETROLEUM (CODE 1311)	JET FUEL (CODE 2912)	KEROSENE (CODE 2913)	RESIDUAL FUEL OIL (CODE 2915)	VAPHTHA (CODE 2917)	LUBRI- CATING OILS AND GREASES (CODE 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
SCHUYLKILL RIVER, PA./ DELAWARE RIVER/ NEW JERSEY SIDE- DELAWARE RIVER/ PENNSYLVANIA AND DELAWARE SIDE-----	49,834	78,911	-----	22,723	19,732	471,768	-----	-----	114,432
COHANSEY RIVER, N.J.-----	37,519	78,201	2,523	-----	3,135	568,013	-----	-----	-----
NANTUA CREEK, N.J.-----	-----	765	-----	-----	1,670	-----	-----	-----	-----
COOPER RIVER, N.J.-----	-----	1,547	-----	-----	-----	-----	-----	-----	-----
CHRISTINA RIVER, DEL.-----	-----	37,671	-----	-----	4,430	157,811	-----	-----	-----
SCHUYLKILL RIVER, PA.-----	-----	112,836	-----	1,480	15,199	184,431	-----	-----	-----
CHESAPEAKE BAY-----	14,663	11,552	-----	-----	-----	2,468	-----	-----	-----
NANTICOKE RIVER, DEL. AND MD.-----	-----	-----	-----	-----	-----	52,305	-----	-----	2,314
BALTIMORE HARBOR AND CHANNELS, MD.-----	35,345	26,462	-----	-----	-----	73,607	-----	1,877	33,276
POTOMAC RIVER AND TRIBUTARIES-----	-----	24,532	-----	-----	-----	6,624	-----	-----	171,440
HAMPTON ROADS, VA.-----	-----	6,232	-----	-----	-----	34,997	-----	-----	34,090
TOTAL, SHIPPING AREA-----	137,361	378,709	2,523	24,163	44,166	1,552,024	-----	1,877	355,552
CHESAPEAKE BAY/ SCHUYLKILL RIVER, PA.-----	-----	-----	-----	-----	535	-----	-----	-----	-----
BALTIMORE HARBOR AND CHANNELS, MD.-----	171	12,331	-----	-----	-----	15,315	-----	-----	-----
POTOMAC RIVER AND TRIBUTARIES-----	-----	6,536	-----	-----	-----	-----	-----	-----	-----
HAMPTON ROADS, VA.-----	-----	6,417	-----	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	171	25,284	-----	-----	535	15,315	-----	-----	-----
BALTIMORE HARBOR AND CHANNELS, MD./ DELAWARE RIVER/ NEW JERSEY SIDE- DELAWARE RIVER/ PENNSYLVANIA AND DELAWARE SIDE-----	-----	82,526	-----	-----	-----	11,592	-----	-----	-----
CHRISTINA RIVER, DEL.-----	-----	75,057	-----	-----	-----	5,466	-----	-----	-----
SCHUYLKILL RIVER, PA.-----	-----	11,942	-----	-----	-----	13,248	-----	-----	7,333
CHESAPEAKE BAY-----	31,147	23,324	-----	-----	-----	30,361	-----	-----	-----
NANTICOKE RIVER, DEL. AND MD.-----	-----	2,280	-----	-----	-----	20,368	-----	-----	-----
BALTIMORE HARBOR AND CHANNELS, MD.-----	6,530	90,750	-----	-----	-----	409,484	-----	63,029	-----
POTOMAC RIVER AND TRIBUTARIES-----	-----	65,988	-----	-----	-----	9,604	-----	-----	906
JAMES RIVER, VA.-----	-----	12,074	-----	-----	-----	60,279	-----	-----	41,208
HAMPTON ROADS, VA.-----	13,689	7,129	-----	-----	-----	11,538	-----	-----	-----
TOTAL, SHIPPING AREA-----	51,366	371,070	-----	-----	-----	571,940	-----	63,029	49,447
POTOMAC RIVER AND TRIBUTARIES/ DELAWARE RIVER/ NEW JERSEY SIDE- MISPILLION RIVER, DEL.-----	-----	3,800	-----	50,196	-----	-----	-----	-----	-----
SCHUYLKILL RIVER, PA.-----	-----	-----	-----	10,272	-----	-----	-----	-----	-----
CHESAPEAKE BAY-----	-----	-----	-----	-----	5,299	-----	-----	-----	-----
NANTICOKE RIVER, DEL. AND MD.-----	-----	-----	-----	48,476	-----	-----	-----	-----	-----
BALTIMORE HARBOR AND CHANNELS, MD.-----	10,158	21,280	-----	-----	5,312	-----	-----	-----	21,172
POTOMAC RIVER AND TRIBUTARIES-----	-----	152,456	-----	119,590	-----	198,485	-----	-----	38,469
JAMES RIVER, VA.-----	-----	-----	-----	-----	-----	10,764	-----	-----	-----
HAMPTON ROADS, VA.-----	-----	8,360	-----	28,440	-----	27,324	-----	-----	4,984
TOTAL, SHIPPING AREA-----	10,158	185,896	-----	256,974	-----	245,584	-----	-----	64,625
YORK RIVER, VA./ DELAWARE RIVER/ NEW JERSEY SIDE- SCHUYLKILL RIVER, PA.-----	-----	20,564	-----	-----	-----	-----	-----	-----	-----
CHESAPEAKE BAY-----	12,016	-----	-----	-----	-----	-----	-----	-----	-----
BALTIMORE HARBOR AND CHANNELS, MD.-----	11,849	1,689	-----	-----	-----	-----	-----	-----	-----
POTOMAC RIVER AND TRIBUTARIES-----	-----	8,814	-----	-----	-----	242,603	-----	-----	-----
HAMPTON ROADS, VA.-----	-----	4,568	-----	-----	-----	35,515	-----	-----	-----
CAPE FEAR RIVER, N.C.-----	2,594	20,291	-----	171,920	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	26,459	58,404	-----	171,920	-----	278,118	-----	-----	-----
JAMES RIVER, VA./ DELAWARE RIVER/ NEW JERSEY SIDE- CHESAPEAKE BAY-----	3,820	-----	-----	-----	1,950	32,426	-----	-----	-----
BALTIMORE HARBOR AND CHANNELS, MD.-----	154,703	8,907	-----	-----	-----	-----	-----	-----	-----
JAMES RIVER, VA.-----	3,773	4,560	-----	-----	-----	-----	-----	-----	-----
HAMPTON ROADS, VA.-----	-----	2,353	-----	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	169,215	67,565	-----	-----	10,840	92,374	-----	-----	-----
TOTAL, SHIPPING AREA-----	331,511	83,387	-----	-----	12,790	124,800	-----	-----	-----
HAMPTON ROADS, VA./ DELAWARE RIVER/ NEW JERSEY SIDE- DELAWARE RIVER/ PENNSYLVANIA AND DELAWARE SIDE-----	-----	4,560	-----	-----	-----	14,486	-----	-----	-----
SCHUYLKILL RIVER, PA.-----	-----	14,295	-----	-----	-----	85,478	-----	-----	-----
CHESAPEAKE BAY-----	159,597	188,004	-----	1,422	1,319	57,793	-----	-----	-----
NANTICOKE RIVER, DEL. AND MD.-----	-----	38,094	-----	-----	-----	13,910	-----	-----	-----
BALTIMORE HARBOR AND CHANNELS, MD.-----	4,469	50,132	-----	-----	-----	96,280	-----	-----	1,772
POTOMAC RIVER AND TRIBUTARIES-----	-----	77,520	-----	-----	-----	140,247	-----	-----	906
YORK RIVER, VA.-----	-----	10,059	63,532	1,422	-----	105,949	-----	160	2,799
JAMES RIVER, VA.-----	-----	34,634	-----	-----	-----	302,571	-----	-----	3,560



## Waterborne Commerce of the United States, 1986

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	GASOLINE (CODE 2911)	DISTILLATE FUEL OIL (CODE 2914)	CRUDE PETROLEUM (CODE 1311)	JET FUEL (CODE 2912)	KEROSENE (CODE 2913)	RESIDUAL FUEL OIL (CODE 2915)	NAPHTHA (CODE 2917)	LUBRI- CATING OILS AND GREASES (CODE 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
HAMPTON ROADS, VA.-----	6,142	416,544	-----	43,983	6,266	620,150	-----	4,281	8,294
ATLANTIC INTRACOASTAL WATERWAY/ GREAT BRIDGE LOCK ROUTE-----	-----	517	-----	215,005	-----	-----	-----	-----	-----
CROATON AND PAMLICO SOUNDS, N.C.-----	-----	282	-----	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	170,208	746,650	63,532	261,832	7,605	1,436,864	-----	4,441	17,331
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, WILMINGTON/ PAMLICO AND TAN RIVERS, N.C.-----	-----	-----	-----	-----	-----	7,024	-----	-----	-----
NEUSE RIVER, N.C.-----	-----	-----	-----	20,440	-----	-----	-----	-----	-----
CAPE FEAR RIVER, N.C.-----	-----	163	-----	-----	-----	-----	-----	-----	-----
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, CHARLESTON-----	-----	-----	-----	8,134	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	-----	163	-----	28,574	-----	7,024	-----	-----	-----
CAPE FEAR RIVER, N.C./ ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, WILMINGTON-----	-----	3,783	-----	-----	-----	-----	-----	-----	-----
NEUSE RIVER, N.C.-----	-----	-----	-----	-----	-----	31,731	-----	-----	-----
CAPE FEAR RIVER, N.C.-----	-----	472	-----	-----	-----	176,145	-----	-----	-----
NORTHEAST (CAPE FEAR) RIVER, N.C.-----	-----	-----	-----	-----	-----	56,089	-----	-----	-----
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, CHARLESTON-----	-----	1,270	-----	-----	-----	-----	-----	-----	-----
SAVANNAH RIVER, GA.-----	1,142	-----	-----	-----	-----	12,719	-----	-----	-----
TOTAL, SHIPPING AREA-----	1,142	5,525	-----	-----	-----	276,684	-----	-----	-----
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, CHARLESTON/ ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, WILMINGTON-----	-----	1,387	-----	-----	-----	-----	-----	-----	-----
NEUSE RIVER, N.C.-----	-----	-----	-----	10,956	-----	-----	-----	-----	-----
CAPE FEAR RIVER, N.C.-----	-----	-----	-----	-----	-----	2,610	-----	-----	-----
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, CHARLESTON-----	-----	-----	-----	-----	-----	92,097	-----	-----	-----
TOTAL, SHIPPING AREA-----	-----	1,387	-----	10,956	-----	94,707	-----	-----	-----
SAVANNAH RIVER, GA./ ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, WILMINGTON-----	-----	-----	-----	-----	-----	23,374	-----	-----	-----
CAPE FEAR RIVER, N.C.-----	1,141	-----	-----	-----	-----	1,484	2,159	-----	-----
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, CHARLESTON-----	-----	206	-----	49,378	-----	2,206	-----	-----	-----
SAVANNAH RIVER, GA.-----	3,241	2,112	-----	-----	-----	96,556	-----	-----	-----
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, SAVANNAH-----	-----	-----	-----	-----	-----	2,377	-----	-----	-----
ST. JOHNS RIVER, FLA.-----	10,926	1,353	-----	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	15,308	3,671	-----	49,378	-----	125,997	2,159	-----	-----
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, SAVANNAH/ ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, SAVANNAH-----	-----	-----	-----	-----	-----	14,490	-----	-----	-----
ST. JOHNS RIVER, FLA./ ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, CHARLESTON-----	47,966	-----	-----	-----	-----	25,197	-----	-----	-----
SAVANNAH RIVER, GA.-----	2,199	7,700	-----	-----	-----	2,484	-----	-----	-----
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, SAVANNAH-----	-----	-----	-----	-----	-----	224,704	-----	-----	-----
ST. JOHNS RIVER, FLA.-----	23,646	136,120	-----	34,526	-----	929,997	-----	-----	-----
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, JACKSONVILLE-----	10,379	1,358	-----	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	84,190	145,178	-----	34,526	-----	1,182,362	-----	-----	-----
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, JACKSONVILLE/ ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, JACKSONVILLE-----	-----	10,703	-----	-----	-----	419,836	-----	-----	-----
INTRACOASTAL WATERWAY, CALOOSAHATCHEE RIVER TO ANCLOTE RIVER, FLA.-----	-----	7,030	-----	-----	-----	1,291,962	-----	-----	-----
OKEECHOBEE WATERWAY, FLA.-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
INTRACOASTAL WATERWAY, CALOOSAHATCHEE RIVER TO ANCLOTE RIVER, FLA.-----	7	1,477	-----	-----	-----	19,872	-----	-----	-----
TOTAL, SHIPPING AREA-----	7	8,507	-----	-----	-----	1,311,834	-----	-----	-----

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

51

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1966

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	GASOLINE (CODE 2911)	DISTILLATE FUEL OIL (CODE 2910)	CRUDE PETROLEUM (CODE 1311)	JET FUEL (CODE 2912)	KEROSENE (CODE 2913)	RESIDUAL FUEL OIL (CODE 2915)	NAPHTHA (CODE 2917)	LUBRE- CATING OILS AND GREASES (CODE 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	778	10,489	-----	13,027	6,720	-----	-----	-----	-----
TENNESSEE RIVER, TENN., ALA, AND KY.-----	1,816	7,752	-----	-----	-----	-----	-----	-----	2,605
TOTAL, SHIPPING AREA-----	332,960	101,922	2,660,370	109,474	37,004	476,590	247,857	-----	361,367
ALABAMA-COOSA RIVERS, ALA. AND GA., MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	-----	-----	-----	-----	-----	-----	-----	-----	3,350
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.,/ GULF INTRACOASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA.-----	372,021	307,190	-----	5,697	-----	11,836	-----	-----	43,606
APALACHICOLA, CHATTAHOOCHEE AND FLINT RIVERS, GA. AND FLA.-----	52,679	20,766	-----	-----	-----	-----	-----	-----	-----
GULF OF MEXICO-----	-----	7,192	-----	-----	-----	-----	-----	-----	104,094
WARRIOR RIVER SYSTEM-----	120,804	21,797	-----	1,573	-----	11,069	-----	-----	469,918
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----	20,331	64,230	4,060	-----	-----	-----	-----	-----	30,804
GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.-----	-----	9,430	766	-----	-----	-----	-----	-----	-----
ATCHAFALAYA RIVER, LA.-----	-----	-----	-----	-----	-----	6,410	-----	-----	-----
SABINE-NECHES WATERWAY, TEXAS-----	259,550	20,310	10,724	-----	-----	84,214	71,259	-----	-----
GALVESTON BAY, TEXAS-----	6,742	5,808	-----	-----	-----	23,996	12,205	-----	-----
GULF INTRACOASTAL WATERWAY' GALVESTON TO CORPUS CHRISTI, TEXAS-----	1,081	-----	-----	-----	-----	8,853	9,888	-----	-----
GULF INTRACOASTAL WATERWAY' CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	1,349	-----	-----	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSER- MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	9,279	-----	181,919	-----	-----	5,773	-----	-----	9,516
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	51,174	-----	11,796	-----	1,148	8,140	17,771	-----	21,491
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	5,831	-----	-----	-----	-----	-----	-----	-----	3,638
WOLF RIVER, TENN.-----	2,500	-----	-----	-----	-----	-----	-----	-----	-----
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	12,149	8,589	-----	-----	-----	-----	-----	-----	-----
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-----	80,314	17,151	-----	173,126	-----	-----	-----	-----	206,154
TENNESSEE RIVER, TENN., ALA, AND KY.-----	1,939	-----	-----	2,231	-----	-----	-----	-----	-----
ALLEGHENY RIVER, PA.-----	21,617	42,657	-----	-----	-----	-----	-----	-----	4,070
ILLINOIS RIVER, ILL.-----	5,180	-----	-----	-----	-----	-----	-----	-----	9,728
TOTAL, SHIPPING AREA-----	1,050,620	941,120	209,265	182,627	1,148	160,311	111,203	-----	963,099
LAKE PONTCHARTRAIN, LA.,/ GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.-----	-----	-----	1,526	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSER- -----	-----	-----	3,907	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	-----	-----	5,433	-----	-----	-----	-----	-----	-----
LAKE MAUREPAS, LA.,/ MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSER- -----	-----	-----	18,466	-----	-----	-----	-----	-----	-----
WATERWAY FROM EMPIRE, LA., TO GULF OF MEXICO/ GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.-----	-----	-----	7,682	-----	-----	-----	-----	-----	-----
ATCHAFALAYA RIVER, LA.-----	-----	-----	36,767	-----	-----	-----	-----	-----	-----
CALCASIEU RIVER AND PASS, LA.-----	-----	-----	8,427	-----	-----	-----	-----	-----	-----
GALVESTON BAY, TEXAS-----	-----	-----	122,273	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY' GALVESTON TO CORPUS CHRISTI, TEXAS-----	-----	-----	18,000	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY' CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	-----	-----	13,218	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSER- -----	-----	-----	6,166	-----	-----	-----	-----	-----	-----

## Waterborne Commerce of the United States, 1986

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	GASOLINE (CODE 2911)	DISTILLATE FUEL OIL (CODE 2914)	CRUDE PETROLEUM (CODE 1311)	JET FUEL (CODE 2912)	KEROSENE (CODE 2913)	RESIDUAL FUEL OIL (CODE 2915)	NAPHTHA (CODE 2917)	LUBRI- CATING OILS AND GREASES (CODE 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
GULF INTRACOASTAL WATERWAY/ APALACHEE BAY, FLA., TO MOBILE BAY, ALA.,									
GULF INTRACOASTAL WATERWAY/ APALACHEE BAY, FLA., TO MOBILE BAY, ALA.,	2,600	1,303		1,020		17,214			
WARRIOR RIVER SYSTEM/ GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.,		661				101,063			3,660
GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.,				12,026					
GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.,		5,094							
TOTAL, SHIPPING AREA-----	2,600	7,058		13,046		118,277			3,660
GULF OF MEXICO/ WARRIOR RIVER SYSTEM/ GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.,	153	249,557	3,064				7		
WARRIOR RIVER SYSTEM/ GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.,		3,660							
WARRIOR RIVER SYSTEM/ GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.,		1,050	230						43,242
WARRIOR RIVER SYSTEM/ GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.,		48							
MISSISSIPPI RIVER, LA., TO BAYNE RIVER, TEX.,		20,587	703,607						
GULF INTRACOASTAL WATERWAY/ PLAQUEMINE TO MORGAN CITY ROUTE, LA.,			55,100						
ATCHAPALAYA RIVER, LA.,		3,129	36,950						
CALCASIEU RIVER AND PASS, LA.,		180	400,066						
BAYNE-NECHES WATERWAY, TEXAS,	12,182	1,733	373,449						
SALVESTON BAY, TEXAS,	31,014		334,417						
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSER-	4,135	4,706	523,924						160,826
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,	15,620	18,460	224,520						5,232
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,	1,629		903						23,930
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER,	4,094								
OHIO RIVER, ENGINEER DISTRICT, PITTSBURGH,	6,045								
ILLINOIS RIVER, ILL.,	2,650								
PORT OF CHICAGO, ILL.,	26,621								
TOTAL, SHIPPING AREA-----	104,161	303,118	2,456,310				7		233,230
WARRIOR RIVER SYSTEM/ GULF INTRACOASTAL WATERWAY/ APALACHEE BAY, FLA., TO MOBILE BAY, ALA.,	133,670	17,772				41,081			219,205
APALACHEE BAY, FLA., TO MOBILE BAY, ALA.,						2,665			25,412
FLINT RIVERS, GA. AND FLA.,		602							57
GULF OF MEXICO/ WARRIOR RIVER SYSTEM/ ALABAMA-COOSA RIVERS, ALA. AND GA.,	52,740	50,629	640,720			205,037			78,095
GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.,						3,320			
WARRIOR RIVER SYSTEM/ GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.,	59,079	10,606							16,855
WARRIOR RIVER SYSTEM/ GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.,			33,024						
MISSISSIPPI RIVER, LA., TO BAYNE RIVER, TEX.,		222	746						
ATCHAPALAYA RIVER, LA.,						41,396			
CALCASIEU RIVER AND PASS, LA.,					9,990	6,130	10,208		6,742
BAYNE-NECHES WATERWAY, TEXAS,	2,594		1,117,867			24,618	66,512		
SALVESTON BAY, TEXAS,			11,868	48,588		23,190	67,952		6,560
GULF INTRACOASTAL WATERWAY/ SALVESTON TO CORPUS CHRISTI, TEXAS,			262,986			16,558	4,296		
GULF INTRACOASTAL WATERWAY/ CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER,			6,000			20,470	36,382		5,836
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSER-	5,180	3,850	245,166	10,796	3,042	62,558	53,465		
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,	27,985		341,953	27,392	17,252	15,537	9,042		
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,	40,410			9,711					
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER,						14,034			
GULF RIVER, TENN.,	8,700								

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

53

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1966

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	GASOLINE (CODE 2911)	DISTILLATE FUEL OIL (CODE 2914)	CRUDE PETROLEUM (CODE 1311)	JET FUEL (CODE 2912)	KEROSENE (CODE 2913)	RESIDUAL FUEL OIL (CODE 2915)	NAPHTHA (CODE 2917)	LUBRI- CATING OILS AND GREASES (CODE 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.			299,792						
TOTAL, SHIPPING AREA			512,325						
GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX./									
GULF INTRACOASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA.		99							
GULF OF MEXICO		531,450	613						1,008
HARRIOR RIVER SYSTEM			330,765						
PEARL RIVER, MISS. AND LA.		10							
LAKE PONTCHARTRAIN, LA.		63							
LAKE MAUREPAS, LA.		53							
GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.		228,301	786,512	4,428					
GULF INTRACOASTAL WATERWAY' PLAQUEMINE TO MORGAN CITY ROUTE, LA.		5,301	6,612						
ATCHAFALAYA RIVER, LA.		2,801	877,798						
OUCHITA AND BLACK RIVERS, ARK. AND LA.		180							
INLAND WATERWAY, FRANKLIN TO MERMENTAU RIVER, LA.		813	1,291						
BAYOU VERMILION, LA.		5,086							
CALCASIEU RIVER AND PASS, LA.		5,006	637,296						
SABINE-NECHES WATERWAY, TEXAS	17,764	673	1,448,949						
GALVESTON BAY, TEXAS	11,052		493,915				1,607		
GULF INTRACOASTAL WATERWAY' GALVESTON TO CORPUS CHRISTI, TEXAS		106	249,740						
GULF INTRACOASTAL WATERWAY' CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER	2,325		91,453						
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES	2,596	3,009	2,316,408			2,780			
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	12,522	3,987	336,761			5,686			6,200
CUMBERLAND RIVER, TENN. AND KY.									
TOTAL, SHIPPING AREA	46,259	786,938	7,578,189	4,428		8,466	1,607		7,208
GULF INTRACOASTAL WATERWAY' PLAQUEMINE TO MORGAN CITY ROUTE, LA./									
GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.		160	625,359						
GULF INTRACOASTAL WATERWAY' PLAQUEMINE TO MORGAN CITY ROUTE, LA.			240,236						
ATCHAFALAYA RIVER, LA.		80	11,020						
CALCASIEU RIVER AND PASS, LA.			46,267						
SABINE-NECHES WATERWAY, TEXAS	34,016								
GALVESTON BAY, TEXAS	8,956								
GULF INTRACOASTAL WATERWAY' CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER	4,900								
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES	1,285		28,464						20,552
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	42,423		56,072		1,847		2,367		7,524
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	4,166								
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE	2,379								
ILLINOIS RIVER, ILL.	1,210								
PORT OF CHICAGO, ILL.	8,629								
TOTAL, SHIPPING AREA	107,964	240	1,007,418		1,847		2,367		28,076
ATCHAFALAYA RIVER, LA./		7,690							
GULF OF MEXICO			16,659			7,442			
HARRIOR RIVER SYSTEM									
GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.		11,770	192,532						
GULF INTRACOASTAL WATERWAY' PLAQUEMINE TO MORGAN CITY ROUTE, LA.			72,732						
ATCHAFALAYA RIVER, LA.		3,753	34,566						
BAYOU VERMILION, LA.		1,513							
CALCASIEU RIVER AND PASS, LA.			66,942						
SABINE-NECHES WATERWAY, TEXAS	27,907								

## Waterborne Commerce of the United States, 1986

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	GASOLINE (CODE 2911)	DISTILLATE FUEL OIL (CODE 2914)	CRUDE PETROLEUM (CODE 1311)	JET FUEL (CODE 2912)	KEROSENE (CODE 2913)	RESIDUAL FUEL OIL (CODE 2915)	NAPHTHA (CODE 2917)	LUBRI- CATING OILS AND GREASES (CODE 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
GALVESTON BAY, TEXAS-----	26,594	34,960	-----	-----	-----	51,674	6,792	3,904	2,734
GULF INTRACOASTAL WATERWAY/ CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	2,594	-----	37,429	-----	-----	-----	-----	-----	1,768
MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES-----	18,841	22,922	22,825	-----	-----	11,096	-----	-----	5,012
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	44,046	14,904	25,430	-----	-----	168,969	2,724	-----	-----
MISSISSIPPI RIVER/ MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	181,321	75,654	-----	-----	-----	-----	-----	-----	7,516
MISSISSIPPI RIVER/ MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	8,494	3,131	-----	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER/ MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	20,340	3,745	-----	-----	-----	5,528	-----	-----	-----
ARKANSAS RIVER, ARK.-----	-----	-----	-----	-----	-----	6,460	-----	-----	-----
GULF RIVER, TENN.-----	17,900	19,472	-----	-----	-----	-----	-----	-----	-----
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE-----	37,950	3,746	-----	-----	9,881	-----	-----	-----	-----
TENNESSEE RIVER, TENN., ALA. AND KY.-----	-----	3,715	-----	-----	-----	-----	-----	-----	2,210
PORT OF CHICAGO, ILL.-----	-----	-----	-----	-----	-----	10,465	-----	-----	-----
TOTAL, SHIPPING AREA-----	385,987	206,975	469,115	-----	9,881	261,634	9,516	3,904	19,240
DUCHITA AND BLACK RIVERS, ARK. AND LA.-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----	-----	-----	5,064	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	5,000	-----	4,596	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	5,000	-----	7,660	-----	-----	-----	-----	-----	-----
INLAND WATERWAY, FRANKLIN TO MERMENTAU RIVER, LA.-----	-----	-----	83,355	-----	-----	-----	-----	-----	-----
WARRIOR RIVER SYSTEM-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY/ MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.-----	-----	90	394,619	-----	-----	-----	-----	-----	-----
ATCHAFALAYA RIVER, LA.-----	-----	-----	37,423	-----	-----	-----	-----	-----	-----
INLAND WATERWAY, FRANKLIN TO MERMENTAU RIVER, LA.-----	-----	-----	11,644	-----	-----	-----	-----	-----	-----
CALCASIEU RIVER AND PASS, LA.-----	-----	-----	393,245	-----	-----	-----	-----	-----	-----
SABINE-NECHES WATERWAY, TEXAS-----	-----	-----	233,515	-----	-----	-----	-----	-----	-----
GALVESTON BAY, TEXAS-----	-----	-----	48,002	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY/ GALVESTON TO CORPUS CHRISTI, TEXAS-----	-----	-----	37,077	-----	-----	13,918	-----	-----	-----
GULF INTRACOASTAL WATERWAY/ CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	-----	-----	5,554	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES-----	-----	-----	122,682	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	-----	-----	15,242	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	-----	90	1,382,358	-----	-----	13,918	-----	-----	-----
BAYOU VERMILION, LA.-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GULF OF MEXICO-----	-----	240	-----	-----	-----	-----	-----	-----	-----
WARRIOR RIVER SYSTEM-----	-----	-----	124,986	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY/ MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.-----	-----	216	4,408	-----	-----	2	-----	-----	-----
ATCHAFALAYA RIVER, LA.-----	-----	-----	61,182	-----	-----	-----	-----	-----	-----
CALCASIEU RIVER AND PASS, LA.-----	-----	-----	159,974	-----	-----	-----	-----	-----	-----
SABINE-NECHES WATERWAY, TEXAS-----	-----	-----	87,104	-----	-----	-----	-----	-----	-----
GALVESTON BAY, TEXAS-----	-----	-----	27,739	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	-----	456	465,393	-----	-----	2	-----	-----	-----
MERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.-----	-----	-----	-----	-----	-----	-----	-----	-----	10,331
GULF OF MEXICO-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
WARRIOR RIVER SYSTEM-----	2,594	2,950	2,681	-----	-----	-----	-----	-----	-----
MERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.-----	-----	-----	6,894	-----	-----	-----	-----	-----	-----
CALCASIEU RIVER AND PASS, LA.-----	-----	-----	34,509	-----	-----	-----	-----	-----	-----
SABINE-NECHES WATERWAY, TEXAS-----	50,503	-----	257,101	-----	-----	-----	3,408	-----	-----
GALVESTON BAY, TEXAS-----	51,491	-----	83,857	-----	-----	-----	5,406	-----	-----
GULF INTRACOASTAL WATERWAY/ GALVESTON TO CORPUS CHRISTI, TEXAS-----	41,705	-----	5,946	-----	-----	-----	4,212	-----	-----

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

55

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	GASOLINE (CODE 2911)	DISTILLATE FUEL OIL (CODE 2914)	CRUDE PETROLEUM (CODE 1311)	JET FUEL (CODE 2912)	KEROSENE (CODE 2913)	RESIDUAL FUEL OIL (CODE 2915)	NAPHTHA (CODE 2917)	LUBRI- CATING OILS AND GREASES (CODE 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-	2,875	-----	3,064	-----	-----	-----	-----	-----	107,748
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW	45,398	-----	3,064	-----	-----	-----	-----	-----	-----
ORLEANS, LA., TO MOUTH OF MISSOURI RIVER	-----	2,550	-----	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	194,566	5,500	397,116	-----	-----	-----	13,026	-----	110,079
CALCASIEU RIVER AND PASS, LA./ GULF INTRACOASTAL WATERWAY'	-----	-----	-----	-----	-----	-----	-----	-----	-----
APALACHEE BAY, FLA., TO MOBILE BAY, ALA., CHATTAHOOCHEE AND	3,246	-----	-----	70,536	-----	-----	2,755	-----	-----
FLINT RIVERS, GA. AND FLA.,-----	-----	-----	-----	-----	-----	11,135	-----	-----	-----
GULF OF MEXICO-----	-----	7,189	-----	-----	-----	4,370	-----	19	-----
HARRISON RIVER SYSTEM-----	16,570	-----	-----	-----	-----	12,903	-----	-----	-----
GULF INTRACOASTAL WATERWAY'	-----	-----	-----	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER, LA., TO	-----	41,201	72,291	-----	-----	12,562	-----	-----	-----
SABINE RIVER, TEX.,-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY'	-----	-----	-----	-----	-----	-----	-----	-----	-----
PLAQUEMINE TO MORGAN CITY	-----	-----	-----	-----	-----	-----	-----	2,773	-----
ROUTE, LA.,-----	-----	19,117	32,686	-----	-----	61,506	-----	-----	-----
ATCHAFALAYA RIVER, LA.,-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
INLAND WATERWAY, FRANKLIN TO	-----	-----	-----	-----	-----	-----	-----	-----	-----
MERMENTAU RIVER, LA.,-----	1,297	-----	-----	-----	-----	-----	-----	-----	-----
BAYOU VERMILION, LA.,-----	-----	1,802	-----	-----	-----	-----	-----	-----	-----
MERMENTAU RIVER, BAYOU NEZPIQUE	-----	-----	-----	-----	-----	-----	-----	-----	-----
AND BAYOU DES CANNES, LA.,-----	-----	-----	1,532	-----	-----	-----	-----	-----	-----
CALCASIEU RIVER AND PASS, LA.,-----	10,076	131,560	175,458	10,694	43,409	96,066	24,034	1,631	-----
SABINE-NECHES WATERWAY, TEXAS-----	69,689	36,045	55,919	-----	-----	37,734	22,117	30,054	9,000
GALVESTON BAY, TEXAS-----	80,558	123,853	791,290	12,802	-----	329,025	13,396	7,606	15,664
GULF INTRACOASTAL WATERWAY'	-----	-----	-----	-----	-----	-----	-----	-----	-----
GALVESTON TO CORPUS CHRISTI, TEXAS-----	177,665	96,817	11,300	-----	-----	324,132	-----	-----	7,327
GULF INTRACOASTAL WATERWAY'	-----	-----	-----	-----	-----	-----	-----	-----	-----
CORPUS CHRISTI, TEXAS, TO THE	-----	-----	-----	-----	-----	-----	-----	-----	-----
MEXICAN BORDER-----	2,622	-----	-----	-----	-----	-----	6,000	9,751	6,759
MISSISSIPPI RIVER' NEW	-----	-----	-----	-----	-----	-----	-----	-----	-----
ORLEANS, LA., TO MOUTH OF PASSES-	5,061	15,684	4,450	-----	-----	90,952	-----	-----	4,420
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW	-----	-----	-----	-----	-----	-----	-----	-----	-----
ORLEANS, LA.,-----	-----	8,043	167,877	17,976	2,368	69,056	-----	-----	1,500
MISSISSIPPI RIVER' MOUTH OF	-----	-----	-----	-----	-----	-----	-----	-----	-----
OHIO RIVER TO BUT NOT INCLUDING	127,930	14,452	-----	-----	-----	1,429	-----	23,593	-----
BATON ROUGE, LA.,-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER' MOUTH OF	-----	-----	-----	-----	-----	-----	-----	-----	-----
MISSOURI RIVER TO MOUTH OF OHIO	90,658	12,463	-----	-----	-----	-----	-----	48,975	-----
RIVER-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI	-----	-----	-----	-----	-----	-----	-----	-----	-----
RIVER-----	7,558	10,163	-----	-----	-----	5,568	-----	24,616	-----
YAZOO RIVER AND MOUTH, MISS.,-----	28,618	-----	-----	-----	-----	-----	-----	-----	-----
ARKANSAS RIVER, ARK.,-----	-----	-----	-----	8,307	-----	6,736	-----	-----	-----
WOLF RIVER, TENN.,-----	7,598	7,734	-----	-----	-----	8,599	-----	-----	-----
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE,-----	29,128	18,850	-----	-----	-----	13,889	-----	-----	-----
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-----	-----	-----	-----	-----	-----	-----	-----	13,097	-----
TENNESSEE RIVER, TENN., ALA., AND KY.,-----	1,311	-----	-----	-----	-----	-----	-----	-----	-----
KANAWHA RIVER, W.VA.,-----	3,111	-----	-----	-----	-----	-----	-----	-----	-----
ALLEGHENY RIVER, PA.,-----	-----	-----	-----	-----	-----	-----	-----	42,762	-----
PORT OF CHICAGO, ILL.,-----	-----	-----	-----	-----	-----	3,418	2,527	102,894	-----
TOTAL, SHIPPING AREA-----	662,696	544,973	1,312,803	120,315	45,777	1,089,020	70,829	307,771	44,670
SABINE-NECHES WATERWAY, TEXAS/ GULF INTRACOASTAL WATERWAY'	-----	-----	-----	-----	-----	-----	-----	-----	-----
APALACHEE BAY, FLA., TO MOBILE BAY, ALA.,-----	-----	9,000	-----	83,322	-----	94,366	7,961	-----	-----
GULF OF MEXICO-----	-----	8,214	-----	2,631	-----	-----	-----	-----	-----
HARRISON RIVER SYSTEM-----	10,376	17,769	102,666	-----	-----	158,683	13,626	-----	-----
GULF INTRACOASTAL WATERWAY'	-----	-----	-----	-----	-----	-----	-----	-----	-----
MOBILE BAY, ALA., TO NEW	-----	-----	-----	-----	-----	-----	-----	-----	-----
ORLEANS, LA.,-----	18,918	7,850	-----	-----	-----	155,072	2,342	-----	13,881
GULF INTRACOASTAL WATERWAY'	-----	-----	-----	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER, LA., TO	-----	-----	-----	-----	-----	-----	-----	-----	-----
SABINE RIVER, TEX.,-----	82,627	47,024	4,672	2,275	-----	177,661	-----	-----	-----
GULF INTRACOASTAL WATERWAY'	-----	-----	-----	-----	-----	-----	-----	-----	-----
PLAQUEMINE TO MORGAN CITY	-----	-----	-----	-----	-----	-----	-----	-----	-----
ROUTE, LA.,-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
ATCHAFALAYA RIVER, LA.,-----	-----	1,560	71,480	-----	-----	20,176	1,215	38,832	-----
INLAND WATERWAY, FRANKLIN TO	-----	-----	-----	-----	-----	-----	-----	-----	-----
MERMENTAU RIVER, LA.,-----	-----	738	-----	-----	-----	-----	-----	-----	-----
BAYOU VERMILION, LA.,-----	-----	2,657	-----	-----	-----	-----	-----	-----	-----
CALCASIEU RIVER AND PASS, LA.,-----	3,280	7,491	197,939	5,688	5,688	145,881	10,442	2,867	17,049
SABINE-NECHES WATERWAY, TEXAS-----	133,607	37,255	190,749	14,296	-----	172,220	154,130	10,074	6,692

## Waterborne Commerce of the United States, 1986

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	GASOLINE (CODE 2911)	DISTILLATE FUEL OIL (CODE 2914)	CRUDE PETROLEUM (CODE 1311)	JET FUEL (CODE 2912)	KEROSENE (CODE 2913)	RESIDUAL FUEL OIL (CODE 2915)	NAPHTHA (CODE 2917)	LUBRI- CATING OILS AND GREASES (CODE 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
GULF INTRACOASTAL WATERWAY/ SABINE RIVER TO GALVESTON, TEXAS-----			5,330				5,167		
GALVESTON BAY, TEXAS-----	84,823	368,197	80,778	345,828		1,276,688	85,322	48,610	61,623
GULF INTRACOASTAL WATERWAY/ GALVESTON TO CORPUS CHRISTI, TEXAS-----	34,690	16,573	38,189			12,005	1,343		41,462
GULF INTRACOASTAL WATERWAY/ CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	9,000	10,983	86,720			106,954	15,000	27,768	10,212
MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES- MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	35,650	20,658	78,006			253,888		5,758	10,838
MISSISSIPPI RIVER/ MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	43,843	44,658	338,392	10,377		274,002		1,350	4,200
MISSISSIPPI RIVER/ MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	28,391	4,607		9,282			1,383	17,880	1,818
MISSISSIPPI RIVER/ MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	3,242	12,268		5,688			1,268	56,280	
ARKANSAS RIVER, ARK.-----				43,239			7,706	1,362	
HOLF RIVER, TENN.-----	2,885	1,939		19,481		12,818	5,413		46,979
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE-----	9,740	2,231	7,638	2,883				58,363	6,363
OHIO RIVER/ ENGINEER DISTRICT, HUNTINGTON-----						22,306			
OHIO RIVER/ ENGINEER DISTRICT, PITTSBURGH-----						44,189		96,553	1,379
TENNESSEE RIVER, TENN., ALA. AND KY.-----	9,866	2,780							5,492
CUMBERLAND RIVER, TENN. AND KY., BIG SANDY RIVER, KY. AND W.VA.-----						1,265		1,123	5,834
KANAWHA RIVER, W.VA.-----								1,447	
ALLEGHENY RIVER, PA.-----								2,255	
ILLINOIS RIVER, ILL.-----	9,630	9,268						12,637	
PORT OF CHICAGO, ILL.-----						3,421	15,481	1,380	
						30,545	30,545	76,414	6,363
TOTAL, SHIPPING AREA-----	520,568	633,518	1,202,539	544,990	5,688	2,931,595	358,344	460,953	282,199
GULF INTRACOASTAL WATERWAY/ SABINE RIVER TO GALVESTON, TEXAS/ CALCASIEU RIVER AND PASS, LA.-----			22,214						
SABINE-NECHES WATERWAY, TEXAS-----			9,918						
GALVESTON BAY, TEXAS-----			215,254						
GULF INTRACOASTAL WATERWAY/ GALVESTON TO CORPUS CHRISTI, TEXAS-----			12,956						
GULF INTRACOASTAL WATERWAY/ CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----			46,139						
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----			15,248						
TOTAL, SHIPPING AREA-----			319,729						
GALVESTON BAY, TEXAS/ GULF INTRACOASTAL WATERWAY/ APALACHEE BAY, FLA., TO MOBILE BAY, ALA.-----	44,285	18,365	2,628	41,848		18,834	9,603	9,973	
ESCAMBIA AND COECUM RIVERS, FLA. AND ALA.-----									41,629
GULF OF MEXICO-----									91,694
HARRIOR RIVER SYSTEM-----	80,950	11,695				35,756		9,524	
GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----						23,564	2,342		872
GULF INTRACOASTAL WATERWAY/ MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.-----		4,046		43,122		102,595		5,744	12,513
GULF INTRACOASTAL WATERWAY/ PLAQUEMINE TO MORGAN CITY ROUTE, LA.-----								10,100	
ATCHAFALAYA RIVER, LA.-----	39,091	7,111		3,780		75,270	27,847		
HERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.-----	65,602	5,782	1,226						
CALCASIEU RIVER AND PASS, LA.-----	3,696	9,690	58,291		71,463	24,732	126,643	11,480	12,922
SABINE-NECHES WATERWAY, TEXAS-----	286,631	254,898				119,639	139,714	5,556	7,420
GULF INTRACOASTAL WATERWAY/ SABINE RIVER TO GALVESTON, TEXAS-----						1,827			
GALVESTON BAY, TEXAS-----	878,698	1,047,869	98,930	111,820	7,749	3,671,954	428,200	220,486	170,529
GULF INTRACOASTAL WATERWAY/ GALVESTON TO CORPUS CHRISTI, TEXAS-----	54,922	48,503	64,610			111,067	526,942	72,078	54,521

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

57

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	GASOLINE (CODE 2911)	DISTILLATE FUEL OIL (CODE 2914)	CRUDE PETROLEUM (CODE 1311)	JET FUEL (CODE 2912)	KEROSENE (CODE 2913)	RESIDUAL FUEL OIL (CODE 2915)	NAPHTHA (CODE 2917)	LUBRI- CATING OILS AND GREASES (CODE 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2919, 2921, 2991)
GULF INTRACOASTAL WATERWAY/ CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	134,601	39,542	105,506	-----	-----	80,544	76,505	80,407	69,484
MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES-----	202,627	21,464	17,079	-----	-----	230,308	98,200	150,192	301,430
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	226,626	187,349	67,008	-----	17,316	1,017,167	957,193	199,984	62,100
MISSISSIPPI RIVER/ MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	-----	-----	8,948	-----	-----	15,863	-----	-----	5,898
MISSISSIPPI RIVER/ MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	-----	-----	-----	-----	4,266	-----	1,451	-----	-----
MISSISSIPPI RIVER/ MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	148,699	57,024	-----	-----	3,298	-----	94,289	48,025	7,798
ARKANSAS RIVER, ARK.-----	-----	-----	-----	6,390	-----	-----	930	-----	-----
WOLF RIVER, TENN.-----	16,201	-----	-----	-----	-----	-----	8,741	-----	-----
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE-----	-----	3,704	-----	13,440	-----	6,884	26,206	15,156	-----
OHIO RIVER/ ENGINEER DISTRICT, MUNTINGTON-----	-----	1,199	-----	-----	-----	-----	-----	10,898	-----
OHIO RIVER/ ENGINEER DISTRICT, PITTSBURGH-----	-----	7,012	-----	-----	-----	12,255	4,376	64,061	-----
TENNESSEE RIVER, TENN., ALA. AND KY.-----	-----	2,150	-----	-----	-----	13,795	-----	-----	1,905
CUMBERLAND RIVER, TENN. AND KY.-----	-----	-----	-----	-----	-----	-----	-----	1,454	-----
BIG SANDY RIVER, KY. AND W.VA.-----	-----	1,193	-----	-----	-----	-----	-----	1,446	3,215
MONONGAMELA RIVER, PA. AND W.VA.-----	-----	-----	-----	-----	-----	11,598	-----	-----	-----
ALLEGHENY RIVER, PA.-----	-----	49,706	-----	-----	-----	-----	-----	59,612	-----
ILLINOIS RIVER, ILL.-----	1,474	81,297	-----	-----	4,228	11,592	2,115	-----	-----
PORT OF CHICAGO, ILL.-----	1,151	-----	-----	-----	2,767	25,770	20,659	31,766	1,600
TOTAL, SHIPPING AREA-----	2,185,254	1,859,599	420,226	220,400	111,087	5,619,014	2,552,156	1,015,042	945,330
GULF INTRACOASTAL WATERWAY/ GALVESTON TO CORPUS CHRISTI, TEXAS/ GULF INTRACOASTAL WATERWAY/ APALACHEE BAY, FLA., TO MOBILE BAY, ALA.-----	2,700	-----	-----	123,161	-----	-----	-----	-----	-----
WARRIOR RIVER SYSTEM-----	-----	-----	-----	-----	-----	4,723	-----	-----	-----
GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----	-----	-----	-----	1,286	-----	1,435	-----	-----	-----
GULF INTRACOASTAL WATERWAY/ MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.-----	-----	211	5,356	-----	-----	4,971	-----	-----	-----
CALCASIEU RIVER AND PASS, LA.-----	54,549	7,966	19,149	-----	-----	8,802	-----	-----	-----
SABINE-NECHES WATERWAY, TEXAS-----	3,072	-----	-----	-----	-----	-----	-----	-----	-----
GALVESTON BAY, TEXAS-----	305,894	27,759	40,475	46,691	-----	216,763	31,649	3,263	37,429
GULF INTRACOASTAL WATERWAY/ GALVESTON TO CORPUS CHRISTI, TEXAS-----	-----	9,376	50,560	-----	-----	9,863	6,104	-----	-----
GULF INTRACOASTAL WATERWAY/ CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	-----	-----	103,895	-----	-----	3,655	-----	-----	-----
MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES-----	-----	-----	-----	-----	-----	-----	2,658	-----	-----
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	28,640	-----	10,350	18,486	-----	81,420	-----	-----	20,216
MISSISSIPPI RIVER/ MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	-----	-----	-----	9,384	-----	-----	-----	-----	-----
ARKANSAS RIVER, ARK.-----	-----	-----	-----	6,444	-----	-----	-----	-----	-----
OHIO RIVER/ ENGINEER DISTRICT, PITTSBURGH-----	-----	-----	-----	-----	-----	10,428	-----	1,404	-----
MONONGAMELA RIVER, PA. AND W.VA.-----	-----	-----	-----	-----	-----	2,725	-----	-----	-----
TOTAL, SHIPPING AREA-----	394,855	45,312	229,785	205,452	-----	344,785	40,411	4,667	57,645
GULF INTRACOASTAL WATERWAY/ CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER/ GULF INTRACOASTAL WATERWAY/ APALACHEE BAY, FLA., TO MOBILE BAY, ALA.-----	111,250	1,940	-----	101,662	-----	-----	-----	-----	-----
WARRIOR RIVER SYSTEM-----	6,486	59,848	-----	-----	-----	8,074	-----	-----	12,950
CALCASIEU RIVER AND PASS, LA.-----	3,411	-----	1,107	-----	63,458	46,881	-----	-----	62,323
SABINE-NECHES WATERWAY, TEXAS-----	564,107	221,762	75,064	27,135	-----	18,580	22,530	7,470	5,990
GALVESTON BAY, TEXAS-----	1,239,740	907,045	374,152	222,093	-----	685,695	100,297	66,445	163,005
GULF INTRACOASTAL WATERWAY/ GALVESTON TO CORPUS CHRISTI, TEXAS-----	61,287	38,384	166,619	-----	-----	116,487	23,617	-----	20,482
GULF INTRACOASTAL WATERWAY/ CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	1,006,312	569,391	612,521	-----	-----	681,742	110,343	7	70,181



## Waterborne Commerce of the United States, 1986

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	GASOLINE (CODE 2911)	DISTILLATE FUEL OIL (CODE 2914)	CRUDE PETROLEUM (CODE 1311)	JET FUEL (CODE 2912)	KEROSENE (CODE 2913)	RESIDUAL FUEL OIL (CODE 2915)	NAPHTHA (CODE 2917)	LUBRI- CATING OILS AND GREASES (CODE 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES/ MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	136,314	35,998	7,660	-----	-----	-----	-----	-----	5,919
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----	11,610	8,952	7,657	15,201	-----	46,440	-----	-----	1,566
MISSISSIPPI RIVER' MOUTH OF MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	303,623	8,270	-----	18,243	-----	-----	-----	-----	-----
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	6,486	-----	-----	7,969	-----	-----	-----	-----	-----
ARIZONA RIVER, ARIZ.,-----	29,800	-----	-----	8,528	-----	-----	2,874	-----	-----
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE,-----	85,156	-----	-----	7,758	13,810	-----	7,318	-----	-----
ILLINOIS RIVER, ILL.,-----	-----	-----	-----	-----	1,390	-----	-----	-----	-----
MINNESOTA RIVER, MINN.,-----	-----	-----	-----	-----	-----	-----	-----	-----	18,372
PORT OF CHICAGO, ILL.,-----	-----	-----	-----	-----	24,126	-----	4,202	7,899	-----
TOTAL, SHIPPING AREA-----	3,585,582	1,851,590	1,244,780	408,389	102,780	1,803,911	359,269	81,821	370,752
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES/ GULF INTRACOASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA.,-----	16,092	44,455	-----	-----	-----	-----	-----	-----	6,742
APALACHEE BAY, FLA., TO MOBILE BAY, ALA.,-----	2,596	-----	-----	-----	-----	23,188	-----	-----	-----
GULF OF MEXICO-----	-----	48,870	306	-----	-----	16,750	-----	-----	34,520
WARRIOR RIVER SYSTEM-----	11,104	50,201	6,557	5,836	-----	15,525	-----	-----	3,371
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.,-----	9,952	14,709	-----	-----	-----	31,193	-----	-----	10,237
INNERHARBOR NAVIGATION CANAL, LA.,-----	-----	-----	-----	-----	-----	64,263	-----	-----	-----
GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.,-----	-----	197,562	283,511	-----	-----	99,490	-----	-----	-----
ATCHAFALAYA RIVER, LA.,-----	-----	1,166	226,176	-----	-----	46,284	-----	-----	-----
BAYOU VERMILION, LA.,-----	-----	912	-----	-----	-----	-----	-----	-----	-----
CALCASIEU RIVER AND PASS, LA.,-----	-----	2,556	57,037	-----	-----	64,683	-----	-----	-----
SABINE-NECHES WATERWAY, TEXAS-----	-----	-----	109,280	-----	-----	14,338	-----	-----	-----
GALVESTON BAY, TEXAS-----	-----	15,508	473,310	13,467	-----	83,851	10,891	-----	-----
GULF INTRACOASTAL WATERWAY' GALVESTON TO CORPUS CHRISTI, TEXAS-----	-----	-----	286,471	-----	-----	-----	1,400	-----	-----
GULF INTRACOASTAL WATERWAY' CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	-----	-----	127,654	-----	-----	14,967	-----	-----	-----
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES/ MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	2,598	169,077	363,295	-----	-----	1,186,143	72,262	11,848	3,585
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----	107,671	97,883	2,840,052	996	-----	278,649	6,555	12,922	46,717
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	8,497	13,470	-----	3,070	-----	-----	4,172	1,543	42,666
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	15,103	10,685	9,548	-----	-----	-----	-----	22,889	-----
YAZOO RIVER AND MOUTH, MISS.,-----	1,830	-----	-----	-----	-----	-----	-----	-----	-----
HOLF RIVER, TENN.,-----	9,843	19,070	-----	7,497	-----	3,548	-----	-----	-----
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	297,915	135,595	-----	50,890	6,575	-----	1,400	-----	-----
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON-----	-----	3,042	-----	-----	-----	23,198	-----	-----	6,817
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-----	-----	-----	-----	-----	-----	12,361	-----	-----	6,801
TENNESSEE RIVER, TENN., ALA., AND KY.,-----	280,698	112,764	-----	-----	-----	11,260	5,853	-----	-----
KANAWHA RIVER, W.VA.,-----	17,116	5,424	-----	-----	-----	-----	-----	-----	-----
MONONGAMELA RIVER, PA. AND W.VA.,-----	-----	-----	-----	-----	-----	1,305	-----	-----	-----
ILLINOIS RIVER, ILL.,-----	17,766	4,462	-----	-----	-----	10,740	-----	-----	-----
PORT OF CHICAGO, ILL.,-----	1,788	-----	-----	-----	-----	2,294	-----	-----	-----
TOTAL, SHIPPING AREA-----	800,569	947,411	4,783,197	81,756	6,575	2,000,090	102,533	49,202	159,856
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,/ GULF INTRACOASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA.,-----	152,330	14,993	-----	37,921	-----	40,243	-----	62,776	903

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

59

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	GASOLINE (CODE 2911)	DISTILLATE FUEL OIL (CODE 2914)	CRUDE PETROLEUM (CODE 1311)	JET FUEL (CODE 2912)	KEROSENE (CODE 2913)	RESIDUAL FUEL OIL (CODE 2915)	NAPHTHA (CODE 2917)	LUBRI- CATING OILS AND GREASES (CODE 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
APALACHICOLA, CHATTAHOOCHEE AND FLINT RIVERS, GA. AND FLA., -----	-----	-----	-----	-----	-----	34,489	-----	-----	-----
ESCAMBIA AND CONECUM RIVERS, FLA. AND ALA., -----	-----	-----	-----	-----	-----	2,371	-----	-----	-----
GULF OF MEXICO, -----	-----	13,384	-----	-----	-----	22,108	-----	-----	4,090
WARRIOR RIVER SYSTEM, -----	194,683	23,763	250,190	-----	-----	277,451	-----	-----	17,274
ALABAMA-COOSA RIVERS, ALA. AND GA., -----	-----	-----	-----	-----	-----	3,358	-----	-----	2,624
GULF INTRACOASTAL WATERWAY, MOBILE BAY, ALA., TO NEW ORLEANS, LA., -----	23,127	-----	4,106	-----	-----	5,454	-----	-----	-----
WATERWAY FROM EMPIRE, LA., TO GULF OF MEXICO, -----	-----	-----	7,972	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY, MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX., -----	-----	49,195	41,824	-----	-----	78,311	-----	-----	-----
GULF INTRACOASTAL WATERWAY, PLAQUEMINE TO MORGAN CITY ROUTE, LA., -----	-----	-----	-----	-----	-----	-----	-----	30,378	-----
ATCHAPALAYA RIVER, LA., -----	7,594	133,708	388,599	-----	-----	123,445	80,522	-----	-----
OUCHITA AND BLACK RIVERS, ARK. AND LA., -----	217,400	-----	-----	-----	-----	7,532	-----	-----	-----
INLAND WATERWAY, FRANKLIN TO HERMENTAUX RIVER, LA., -----	-----	723	-----	-----	-----	-----	-----	-----	-----
BAYOU VERMILION, LA., -----	-----	4,916	-----	-----	-----	-----	-----	-----	-----
HERMENTAUX RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA., -----	6,434	-----	-----	-----	-----	-----	-----	-----	-----
CALCASIEUX RIVER AND PASS, LA., -----	-----	5,052	-----	-----	-----	-----	58,241	-----	-----
SABINE-NECHES WATERWAY, TEXAS, -----	55,731	8,149	161,109	-----	-----	148,791	26,168	2,234	9,986
GALVESTON BAY, TEXAS, -----	394,499	160,577	55,620	210,045	-----	806,436	208,932	69,509	89,890
GULF INTRACOASTAL WATERWAY, GALVESTON TO CORPUS CHRISTI, TEXAS, -----	2,474	-----	-----	-----	-----	7,802	15,244	-----	8,697
GULF INTRACOASTAL WATERWAY, CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER, -----	16,844	-----	25,098	-----	-----	27,192	25,758	-----	1,478
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSER, MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA., -----	238,764	380,786	772,046	8,578	-----	1,601,107	4,202	29,235	8,248
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA., -----	136,085	39,731	449,071	100,595	6,329	1,147,804	85,778	8,009	57,571
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER, -----	1,352,505	173,844	282,924	280,103	-----	743,864	-----	-----	82,786
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER, -----	35,055	28,722	-----	-----	-----	15,865	-----	7,426	8,475
YAZOO RIVER AND MOUTH, MISS., -----	217,650	-----	13,405	-----	-----	109,607	8,654	74,995	6,200
ARKANSAS RIVER, ARK., -----	70,500	4,710	-----	-----	-----	-----	-----	17,732	9,020
HOLF RIVER, TENN., -----	175,394	16,202	-----	7,972	-----	48,317	1,717	-----	15,233
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE, -----	66,544	112,582	46,740	66,046	18,488	9,004	-----	5,826	151,599
OHIO RIVER' ENGINEER DISTRICT, MUNTINGTON, -----	-----	6,324	-----	-----	-----	12,150	-----	-----	43,306
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH, -----	367,386	6,051	-----	-----	-----	104,088	-----	12,406	79,959
TENNESSEE RIVER, TENN., ALA. AND KY., -----	19,377	17,868	-----	-----	-----	12,024	-----	-----	12,110
CUMBERLAND RIVER, TENN. AND KY., -----	44,814	16,738	-----	-----	-----	-----	-----	1,276	44,025
KANAWHA RIVER, W. VA., -----	-----	5,014	-----	-----	-----	10,109	-----	-----	40,639
MONONGAMELA RIVER, PA. AND W. VA., -----	-----	18,734	-----	-----	-----	-----	-----	-----	-----
ALLEGHENY RIVER, PA., -----	-----	-----	-----	-----	-----	-----	-----	-----	36,387
MISSOURI RIVER, -----	-----	-----	-----	-----	-----	-----	-----	-----	74,685
ILLINOIS RIVER, ILL., -----	7,047	31,688	-----	-----	-----	393,711	33,533	-----	7,184
LAKE MICHIGAN, -----	-----	-----	-----	-----	-----	-----	-----	-----	14,157
PORT OF CHICAGO, ILL., -----	26,828	-----	-----	-----	-----	135,106	13,888	5,483	-----
TOTAL, SHIPPING AREA-----	3,828,865	1,273,452	2,496,704	711,260	24,817	5,956,302	562,633	327,283	933,156
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA., -----	-----	-----	6,264	1,250	-----	-----	-----	-----	47,772
WARRIOR RIVER SYSTEM, ATCHAPALAYA RIVER, LA., -----	-----	-----	49,295	-----	-----	-----	2,726	-----	-----
GALVESTON BAY, TEXAS, -----	-----	9,344	-----	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY, GALVESTON TO CORPUS CHRISTI, TEXAS, -----	-----	-----	-----	-----	-----	-----	1,335	-----	-----
GULF INTRACOASTAL WATERWAY, CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER, -----	2,594	-----	-----	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA., -----	2,937	9,013	228,557	-----	-----	14,441	1,315	-----	-----

*Waterborne Commerce of the United States, 1986*

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986  
(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	GASOLINE (CODE 2911)	DISTILLATE FUEL OIL (CODE 2916)	CRUDE PETROLEUM (CODE 1311)	JET FUEL (CODE 2912)	KEROSENE (CODE 2913)	RESIDUAL FUEL OIL (CODE 2915)	NAPHTHA (CODE 2917)	LUBRI- CATING OILS AND GREASES (CODE 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----	216,226	111,963	-----	2,495	-----	-----	-----	-----	13,361
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	13,625	1,089	-----	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	6,031	-----	-----	-----	-----	34,233	-----	-----	-----
YAZOO RIVER AND MOUTH, MISS.,-----	-----	-----	-----	-----	-----	-----	-----	1,400	-----
ARKANSAS RIVER, ARK.,-----	2,500	-----	-----	-----	-----	-----	-----	-----	5,894
WOLF RIVER, TENN.,-----	1,825	31,049	-----	-----	-----	-----	-----	-----	68,671
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	-----	3,996	-----	-----	1,400	-----	-----	1,522	-----
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON-----	-----	2,276	-----	-----	-----	-----	-----	6,057	-----
CUMBERLAND RIVER, TENN. AND KY.,-----	-----	-----	-----	-----	-----	-----	-----	-----	33,795
ILLINOIS RIVER, ILL.,-----	-----	1,400	-----	-----	-----	-----	-----	-----	3,456
PORT OF CHICAGO, ILL.,-----	-----	8,822	-----	-----	-----	-----	11,176	-----	-----
TOTAL, SHIPPING AREA-----	245,938	179,752	283,916	3,945	1,400	40,674	16,552	8,979	172,899
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	2,569	-----	-----	-----	-----	-----	-----	-----	-----
SABINE-NECHES WATERWAY, TEXAS--- GULF INTRACOASTAL WATERWAY' GALVESTON TO CORPUS CHRISTI, TEXAS-----	-----	-----	-----	-----	-----	-----	16,348	-----	-----
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	-----	-----	1,818	-----	-----	25,656	-----	-----	3,390
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	12,915	12,366	-----	-----	-----	8,711	-----	-----	5,590
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	67,649	33,347	3,597	-----	-----	32,604	-----	-----	7,130
WOLF RIVER, TENN.,-----	15,673	-----	-----	-----	-----	-----	-----	-----	-----
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	94,789	123,477	-----	-----	4,187	-----	-----	-----	-----
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-----	-----	-----	-----	-----	-----	22,796	-----	-----	-----
TENNESSEE RIVER, TENN., ALA.,----- AND KY.,-----	-----	4,700	-----	-----	-----	-----	-----	-----	-----
CUMBERLAND RIVER, TENN. AND KY.,-----	-----	1,520	-----	-----	-----	-----	-----	-----	2,727
ILLINOIS RIVER, ILL.,-----	-----	3,391	-----	-----	-----	3,601	-----	-----	12,325
BLACK RIVER, MIS.,-----	9,102	8,718	-----	-----	-----	-----	-----	-----	-----
PORT OF CHICAGO, ILL.,-----	-----	2,500	-----	-----	-----	20,251	-----	2,402	-----
TOTAL, SHIPPING AREA-----	202,697	190,019	5,415	-----	4,187	113,619	16,348	2,402	32,206
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER/ GULF INTRACOASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA.,-----	-----	-----	-----	-----	-----	8,446	-----	-----	6,940
ARRIOR RIVER SYSTEM-----	-----	-----	-----	-----	-----	27,238	-----	-----	-----
HERMENTAU RIVER, MAYOU NEZPIQUE AND BAYOU DES CANNES, LA.,-----	-----	-----	-----	-----	-----	-----	-----	-----	3,546
SABINE-NECHES WATERWAY, TEXAS--- GALVESTON BAY, TEXAS-----	6,409	-----	-----	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY' CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	2,753	3,010	-----	-----	-----	8,636	-----	-----	-----
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES- MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	-----	-----	6,800	-----	-----	186,421	-----	5,849	16,566
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----	24,200	7,893	166,444	-----	8,468	460,712	-----	6,796	22,099
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	17,928	35,445	-----	-----	-----	8,457	-----	-----	5,564
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	260,559	195,125	-----	-----	-----	74,692	-----	-----	76,716
WOLF RIVER, TENN.,-----	792,820	287,603	-----	-----	-----	34,744	-----	-----	140,931
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	23,849	22,432	-----	1,492	-----	-----	-----	-----	2,930
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-----	246,893	86,100	-----	-----	-----	6,718	-----	-----	117,213
TENNESSEE RIVER, TENN., ALA.,----- AND KY.,-----	-----	9,582	-----	-----	-----	20,030	-----	-----	5,939
CUMBERLAND RIVER, TENN. AND KY.,-----	32,654	35,603	-----	-----	-----	19,595	-----	-----	197,700
MISSOURI RIVER-----	-----	-----	-----	-----	-----	10,206	-----	-----	71,288
ILLINOIS RIVER, ILL.,-----	168,514	70,682	-----	-----	4,486	3,500	-----	-----	218,458
BLACK RIVER, MIS.,-----	34,703	4,808	-----	-----	-----	-----	-----	-----	39,967
MINNESOTA RIVER, MINN.,-----	-----	-----	-----	-----	-----	-----	-----	-----	44,520
-----	-----	-----	-----	-----	-----	-----	-----	-----	5,636

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

61

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	GASOLINE (CODE 2911)	DISTILLATE FUEL OIL (CODE 2914)	CRUDE PETROLEUM (CODE 1311)	JET FUEL (CODE 2912)	KEROSENE (CODE 2913)	RESIDUAL FUEL OIL (CODE 2915)	NAPHTHA (CODE 2917)	LUBRI- CATING OILS AND GREASES (CODE 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2911)
PORT OF CHICAGO, ILL.,-----	2,140	2,658				53,475		1,435	183,452
TOTAL, SHIPPING AREA-----	1,613,422	768,751	173,268	5,978	11,777	927,954		14,080	1,151,470
YAZOO RIVER AND MOJIN, MISS./									
SABINE-NECHES WATERWAY, TEXAS-----						15,611	7,225		
GALVESTON BAY, TEXAS-----		1,431				30,780	11,245		
MISSISSIPPI RIVER, MOUTH OF									
OHIO RIVER TO BUT NOT INCLUDING									
BATON ROUGE, LA.,-----	2,594								
ILLINOIS RIVER, ILL.,-----	3,100								
TOTAL, SHIPPING AREA-----	5,694	1,431				46,391	18,470		
ARKANSAS RIVER, ARK./									
GULF INTRACASTAL WATERWAY									
PLAQUEMINE TO MORGAN CITY									
ROUTE, LA.,-----								3,064	
ATCHAFALAYA RIVER, LA.,-----						5,650			
CALCASIEU RIVER AND PASS, LA.,-----						10,749			
SABINE-NECHES WATERWAY, TEXAS-----						5,285		10,812	
MISSISSIPPI RIVER, BATON ROUGE,									
LA., TO BUT NOT INCLUDING NEW									
ORLEANS, LA.,-----						97,767		20,332	13,096
MISSISSIPPI RIVER, MOUTH OF									
MISSOURI RIVER TO MOUTH OF OHIO									
RIVER-----	10,700								
MISSISSIPPI RIVER, MINNEAPOLIS,									
MINN., TO MOUTH OF MISSOURI								4,212	
RIVER-----									
ARKANSAS RIVER, ARK.,-----						17,358			
GOLF RIVER, TENN.,-----						4,858			17,010
OHIO RIVER, ENGINEER DISTRICT,									
LOUISVILLE-----									5,454
ALLEGHENY RIVER, PA.,-----								14,200	
TOTAL, SHIPPING AREA-----	10,700					141,697		52,620	35,500
GOLF RIVER, TENN./									
GALVESTON BAY, TEXAS-----							6,509		
GULF INTRACASTAL WATERWAY									
GALVESTON TO CORPUS CHRISTI,									
TEXAS-----							2,520		
GULF INTRACASTAL WATERWAY									
CORPUS CHRISTI, TEXAS, TO THE									
MEXICAN BORDER-----							1,311		
MISSISSIPPI RIVER, NEW									
ORLEANS, LA., TO MOUTH OF PASSES				1,800					
MISSISSIPPI RIVER, BATON ROUGE,									
LA., TO BUT NOT INCLUDING NEW									
ORLEANS, LA.,-----						22,736	1,247	6,468	5,454
MISSISSIPPI RIVER, MOUTH OF									
OHIO RIVER TO BUT NOT INCLUDING									
BATON ROUGE, LA.,-----	5,412	28,235				10,360			
MISSISSIPPI RIVER, MOUTH OF									
MISSOURI RIVER TO MOUTH OF OHIO									
RIVER-----					3,250	29,020			
MISSISSIPPI RIVER, MINNEAPOLIS,									
MINN., TO MOUTH OF MISSOURI									
RIVER-----		3,796							
GOLF RIVER, TENN.,-----	2,940	34,590				5,548			
OHIO RIVER, ENGINEER DISTRICT,									
LOUISVILLE-----	113,172	80,474		2,470	7,154	1,400			
OHIO RIVER, ENGINEER DISTRICT,		4,594							1,189
PITTSBURGH-----									
TENNESSEE RIVER, TENN., ALA.,									
AND KY.,-----						12,074			
CUMBERLAND RIVER, TENN. AND KY.,	103,794	82,605							
PORT OF CHICAGO, ILL.,-----						18,487			
TOTAL, SHIPPING AREA-----	225,326	234,302		4,270	10,384	97,625	11,587	6,468	6,643
OHIO RIVER, ENGINEER DISTRICT,									
LOUISVILLE-----						14,080			
SABINE-NECHES WATERWAY, TEXAS-----									
MISSISSIPPI RIVER, BATON ROUGE,									
LA., TO BUT NOT INCLUDING NEW									
ORLEANS, LA.,-----	2,237								
MISSISSIPPI RIVER, MOUTH OF									
OHIO RIVER TO BUT NOT INCLUDING									
BATON ROUGE, LA.,-----						21,454			5,837
MISSISSIPPI RIVER, MOUTH OF									
MISSOURI RIVER TO MOUTH OF OHIO									
RIVER-----						7,138			
MISSISSIPPI RIVER, MINNEAPOLIS,									
MINN., TO MOUTH OF MISSOURI									
RIVER-----	5,833								
GOLF RIVER, TENN.,-----	20,833	4,462				2,817			
OHIO RIVER, ENGINEER DISTRICT,									
LOUISVILLE-----	268,031	110,604		13,125	4,514	30,800			15,432

## Waterborne Commerce of the United States, 1986

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	GASOLINE (CODE 2911)	DISTILLATE FUEL OIL (CODE 2914)	CRUDE PETROLEUM (CODE 1311)	JET FUEL (CODE 2912)	KEROSENE (CODE 2913)	RESIDUAL FUEL OIL (CODE 2915)	NAPHTHA (CODE 2917)	LUBRI- CATING OILS AND GREASES (CODE 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON		23,470							11,788
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH	10,859	2,342				74,200			
TENNESSEE RIVER, TENN., ALA. AND KY.	76,168	50,372							
CUMBERLAND RIVER, TENN. AND KY.									18,631
BIG SANDY RIVER, KY. AND W.VA.	3,332					1,438			
KANAWHA RIVER, W.VA.	46,852	15,892		3,849					
LITTLE KANAWHA RIVER, W.VA.	9,223								
MONONGAMELA RIVER, PA. AND W.VA.	2,231	5,794				1,400			
ALLEGHENY RIVER, PA.									40,682
ILLINOIS RIVER, ILL.	2,986								
PORT OF CHICAGO, ILL.	12,709								
TOTAL, SHIPPING AREA	461,294	212,936		16,974	4,514	153,327			92,370
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON/ GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.									7,908
GALVESTON BAY, TEXAS								1,396	
GULF INTRACOASTAL WATERWAY' GALVESTON TO CORPUS CHRISTI, TEXAS	1,863							1,447	
GULF INTRACOASTAL WATERWAY' CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER								2,816	
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES						90,055		3,610	
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	2,449					3,032			69,238
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.		2,231		73,286				4,322	
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	7,105			54,478				7,960	
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	7,696	1,679						11,830	5,979
YAZOO RIVER AND MOUTH, MISS.								32,267	
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE	1,588,368	808,143	17,108	441,398	5,290			44,143	48,209
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON	463,339	395,548		2,963	4,344				
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH	485,208	183,861	87,725	134,083	11,072	65,013		13,724	1,400
TENNESSEE RIVER, TENN., ALA. AND KY.	30,655	17,634		1,378	1,371	142,348		9,267	12,114
CUMBERLAND RIVER, TENN. AND KY.						5,339			62,763
BIG SANDY RIVER, KY. AND W.VA.	20,692	1,003	388,551						10,667
KANAWHA RIVER, W.VA.	553,671	263,547		10,126	7,091		11,127	776	
LITTLE KANAWHA RIVER, W.VA.	120,247	3,394							
MONONGAMELA RIVER, PA. AND W.VA.	286,003	258,686		1,400	6,240				16,285
ALLEGHENY RIVER, PA.	1,333	8,530		1,392	1,275				
ILLINOIS RIVER, ILL.	2,199								
PORT OF CHICAGO, ILL.	5,710							5,494	
TOTAL, SHIPPING AREA	3,574,538	1,944,276	493,184	720,504	36,683	305,787	11,127	139,052	234,563
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH/ GALVESTON BAY, TEXAS	2,103								22,831
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	1,271								6,433
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER								1,387	
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER						3,584			
YAZOO RIVER AND MOUTH, MISS.								23,045	
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE		2,784				1,400			
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON	7,636		6,531					1,424	687
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH	12,571	40,284						906	
BIG SANDY RIVER, KY. AND W.VA.		8,489	4,120			32,068			
KANAWHA RIVER, W.VA.	7,246	3,518							
MONONGAMELA RIVER, PA. AND W.VA.	148,784	76,661					1,400	3,222	22,196
ALLEGHENY RIVER, PA.	1,004	1,004							
TOTAL, SHIPPING AREA	179,611	133,140	10,651			37,052	1,400	29,984	52,147

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

63

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	GASOLINE (CODE 2911)	DISTILLATE FUEL OIL (CODE 2914)	CRUDE PETROLEUM (CODE 1311)	JET FUEL (CODE 2912)	KEROSENE (CODE 2913)	RESIDUAL FUEL OIL (CODE 2915)	NAPHTHA (CODE 2917)	LUBRI- CATING OILS AND GREASES (CODE 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
TENNESSEE RIVER, TENN., ALA. AND KY./									
GULF INTRACOASTAL WATERWAY/ MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.						3,032			
GALVESTON BAY, TEXAS	5,600						85,146		15,338
GULF INTRACOASTAL WATERWAY/ GALVESTON TO CORPUS CHRISTI, TEXAS	5,930								
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	1,400					1,500	19,350		
MISSISSIPPI RIVER/ MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER		1,843							
MISSISSIPPI RIVER/ MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER		2,209							
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE									4,070
TENNESSEE RIVER, TENN., ALA. AND KY.		82,200				9,214			20,793
PORT OF CHICAGO, ILL.						1,422			
TOTAL, SHIPPING AREA	12,930	86,252				15,160	104,496		40,201
CUMBERLAND RIVER, TENN. AND KY./ MISSISSIPPI RIVER/ MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER						1,498			
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE			2,800						
CUMBERLAND RIVER, TENN. AND KY.									6,504
TOTAL, SHIPPING AREA			2,800			1,498			6,504
BIG SANDY RIVER, KY. AND W.VA./ GALVESTON BAY, TEXAS								1,446	
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.						74,964			1,400
MISSISSIPPI RIVER/ MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.								5,309	
MISSISSIPPI RIVER/ MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER								30,281	
MISSISSIPPI RIVER/ MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER								10,422	5,674
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE						1,640	11,273	110,601	257,238
OHIO RIVER/ ENGINEER DISTRICT, HUNTINGTON		1,463				7,984	3,654	2,801	
OHIO RIVER/ ENGINEER DISTRICT, PITTSBURGH		5,291				29,936	16,474	102,017	10,411
TENNESSEE RIVER, TENN., ALA. AND KY.						99,079			15,211
CUMBERLAND RIVER, TENN. AND KY./ MONONGAMELA RIVER, PA. AND W.VA.						12,105			130,208
ALLEGHENY RIVER, PA.								1,391	120,192
ILLINOIS RIVER, ILL.								1,315	
PORT OF CHICAGO, ILL.							7,440	1,389	
TOTAL, SHIPPING AREA		6,754				225,708	38,841	304,586	540,334
KANAWHA RIVER, W.VA./ OHIO RIVER/ ENGINEER DISTRICT, HUNTINGTON							800		
LITTLE KANAWHA RIVER, W.VA./ OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE			2,800			1,400			
KANAWHA RIVER, W.VA.	1,833								
TOTAL, SHIPPING AREA	1,833		2,800			1,400			
MONONGAMELA RIVER, PA. AND W.VA./ GULF RIVER, TENN.									1,273
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE						15,400			2,024
OHIO RIVER/ ENGINEER DISTRICT, PITTSBURGH	910	1,400				30,800		1,854	38,744
BIG SANDY RIVER, KY. AND W.VA./ MONONGAMELA RIVER, PA. AND W.VA.	8,092	5,744	1,400			18,670			3,655
TOTAL, SHIPPING AREA	9,002	11,678	1,400			64,870		1,854	51,696

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	GASOLINE (CODE 2911)	DISTILLATE FUEL OIL (CODE 2914)	CRUDE PETROLEUM (CODE 1311)	JET FUEL (CODE 2912)	KEROSENE (CODE 2913)	RESIDUAL FUEL OIL (CODE 2915)	NAPHTHA (CODE 2917)	LUBRI- CATING OILS AND GREASES (CODE 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
ALLEGHENY RIVER, PA./ GALVESTON BAY, TEXAS-----						1,338		11,675	
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----								3,651	
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----								6,048	
ALLEGHENY RIVER, PA.-----		330							
TOTAL, SHIPPING AREA-----		330				1,338		21,770	
ILLINOIS RIVER, ILL./ SABINE-NECHES WATERWAY, TEXAS-----	12,085								
GALVESTON BAY, TEXAS-----	3,273					5,100	1,345		
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----						6,796			
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	2,719					83,210			1,843
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	73,296	102,569			7,665	28,711			3,391
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	10,529	18,289		3,219	11,314	19,353			
ARKANSAS RIVER, ARK.-----						2,751			
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----		18,374							
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON-----		9,866					34,360		
TENNESSEE RIVER, TENN., ALA. AND KY.-----						10,760			
ILLINOIS RIVER, ILL.-----	216,369	88,790				6,450			1,160
BLACK RIVER, ILL.-----	40,864	31,049							
PORT OF CHICAGO, ILL.-----	1,887	123,931				30,164			1,428
TOTAL, SHIPPING AREA-----	363,022	392,868		3,219	18,979	227,655	1,345		7,822
BLACK RIVER, ILL./ OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----									6,153
MINNESOTA RIVER, MINN.-----									5,651
TOTAL, SHIPPING AREA-----									11,804
MINNESOTA RIVER, MINN./ MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----									5,851
DETROIT AND ROUGE RIVERS, MICH./ DETROIT AND ROUGE RIVERS, MICH.-----									3,451
LAKE MICHIGAN/ GALVESTON BAY, TEXAS-----	1,500								
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	86,634							42,248	21,422
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	2,900								
TENNESSEE RIVER, TENN., ALA. AND KY.-----								25,123	17,703
ILLINOIS RIVER, ILL.-----				2,389					
LAKE MICHIGAN-----	3,051	1,020				6,319			
TOTAL, SHIPPING AREA-----	94,085	1,020		2,389		6,319		67,371	39,125
PORT OF CHICAGO, ILL./ SABINE-NECHES WATERWAY, TEXAS-----							17,186		
GALVESTON BAY, TEXAS-----	1,400					5,420	10,580		2,756
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----		11,995				17,584	1,400		20,144
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	4,200	9,332	5,597			79,771			19,647
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----						27,107		7,534	30,195
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	17,756		136,632			18,858	7,181		118,419
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	2,000								55,629
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON-----		44,870				25,770			4,123
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-----						5,149	2,746		28,918
TENNESSEE RIVER, TENN., ALA. AND KY.-----						3,791			
BIG SANDY RIVER, KY, AND W.VA.-----		1,536				23,200			

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

65

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	GASOLINE (CODE 2911)	DISTILLATE FUEL OIL (CODE 2914)	CRUDE PETROLEUM (CODE 1311)	JET FUEL (CODE 2912)	KEROSENE (CODE 2913)	RESIDUAL FUEL OIL (CODE 2915)	NAPHTHA (CODE 2917)	LUBRI- CATING OILS AND GREASES (CODE 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
MONONGAMELA RIVER, PA. AND N.Y.A.									18,983
ALLEGHENY RIVER, PA.								1,202	
ILLINOIS RIVER, ILL.	5,600	5,576							
LAKE MICHIGAN						1,400			
PORT OF CHICAGO, ILL.	17,222	231,317		15,548	3,580	142,930	63,394	1,400	204,296
TOTAL, SHIPPING AREA	40,178	304,426	140,229	15,548	3,580	348,780	102,407	10,136	503,110
LAKE SUPERIOR/ LAKE SUPERIOR		14,887				16,456			
LAKE OF THE WOODS, MINN./ LAKE OF THE WOODS, MINN.	111								4
LOS ANGELES AND LONG BEACH HARBORS, CALIF./ LOS ANGELES AND LONG BEACH HARBORS, CALIF.	27,686	349,739	103,369	7,153		8,419,710	17,315	6,861	19,188
SAN FRANCISCO BAY AREA/ SAN FRANCISCO BAY AREA	85,102	151,536	5,010,093	129,274		1,021,263	13,680	41,650	10,812
SAN JOAQUIN RIVER, CALIF.						1,810			
TOTAL, SHIPPING AREA	85,102	151,536	5,010,093	129,274		1,023,073	13,680	41,650	10,812
COLUMBIA RIVER' VANCOUVER, WASH., TO THE MOUTH/ COLUMBIA RIVER' VANCOUVER, WASH., TO THE MOUTH						6,545		990	
COLUMBIA RIVER' ABOVE CELILO FALLS TO KENNEWICK, WASH.	40,181	16,416							
WILLAMETTE AND YAMHILL RIVERS, OREG.	32,615	6,647				1,591			
SNAKE RIVER, OREG., WASH. AND IDAHO		10,169							
TOTAL, SHIPPING AREA	72,796	33,232				8,136		990	
COLUMBIA RIVER' ABOVE CELILO FALLS TO KENNEWICK, WASH./ COLUMBIA RIVER' ABOVE CELILO FALLS TO KENNEWICK, WASH.	4,075	3,067							
WILLAMETTE AND YAMHILL RIVERS, OREG.	97,758	14,038		8,405					
TOTAL, SHIPPING AREA	101,829	17,105		8,405					
WILLAMETTE AND YAMHILL RIVERS, OREG./ COLUMBIA RIVER' VANCOUVER, WASH., TO THE MOUTH	20,594	30,425				324,547		3,287	7,792
COLUMBIA RIVER' VANCOUVER, WASH., TO THE DALLES, OREG.		5,027				32,606			
COLUMBIA RIVER' ABOVE CELILO FALLS TO KENNEWICK, WASH.	459,787	627,427		37,604		74,591		4,896	
WILLAMETTE AND YAMHILL RIVERS, OREG.	42,562	33,758		2,710		115,716		635	
SNAKE RIVER, OREG., WASH. AND IDAHO		78,878				10,142			
TOTAL, SHIPPING AREA	522,943	775,515		40,314		557,602		8,818	7,792
GRAYS HARBOR AND CHEHALIS RIVER, WASH./ GRAYS HARBOR AND CHEHALIS RIVER, WASH.		498				33,486			
PUGET SOUND AND TRIBUTARY WATERS/ PUGET SOUND AND TRIBUTARY WATERS	406,171	498,083	1,952	290,594		1,721,229	505	718	104,711
LOWER & UPPER SOUTHEAST ALASKA/ LOWER & UPPER SOUTHEAST ALASKA	15,158	48,317				766			
PRINCE WILLIAM & COOK INLET, ALASKA AREA/ PRINCE WILLIAM & COOK INLET, ALASKA AREA	15,257	17,176	482,877	2,257					
ALASKA PENINSULA/ ALASKA PENINSULA	391	11,829							10,518
YUKON RIVER, ALASKA/ YUKON RIVER, ALASKA									25,583
BERING SEA PORTS, ALASKA/ BERING SEA PORTS, ALASKA	24,637	21,871							2,776



# Waterborne Commerce of the United States, 1986

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / ----- RECEIVING AREA	GASOLINE (CODE 2911)	DISTILLATE FUEL OIL (CODE 2914)	CRUDE PETROLEUM (CODE 1311)	JET FUEL (CODE 2912)	KEROSENE (CODE 2913)	RESIDUAL FUEL OIL (CODE 2915)	NAPHTHA (CODE 2917)	LUBRI- CATING OILS AND GREASES (CODE 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
DANU, HAWAII/ DANU, HAWAII-----	4,268	1,604	-----	3,649	-----	166,789	-----	-----	-----

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

67

TABLE 5--DOMESTIC INLAND MOVEMENTS OF IRON AND STEEL  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1966

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	PIG IRON (CODE 3311)	IRON AND STEEL SCRAP (CODE 4011)	IRON AND STEEL SEMIFINISHED PRODUCTS (CODE 3314)	IRON AND STEEL FINISHED PRODUCTS (CODES 3315, 3316, 3319)	IRON AND STEEL PIPE AND TUBE (CODE 3317)
TOTAL, ALL SHIPPING AREAS	150,961	3,601,939	1,420,684	3,165,846	975,153
PORT OF NEW YORK, N.Y. AND N.J./ PORT OF NEW YORK, N.Y. AND N.J.		421,750			
DELAWARE RIVER/ NEW JERSEY SIDE/ ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, WILMINGTON					600
MANTUA CREEK, N.J./ ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, SAVANNAH				12,231	
ST. JOHNS RIVER, FLA.				2,510	
TOTAL, SHIPPING AREA				14,749	
BALTIMORE HARBOR AND CHANNELS, MD./ BALTIMORE HARBOR AND CHANNELS, MD.				1	
HAMPTON ROADS, VA.				250	
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, CHARLESTON		1,500			
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, SAVANNAH				12,498	
ST. JOHNS RIVER, FLA.				44,589	
TOTAL, SHIPPING AREA		1,500		57,338	
HAMPTON ROADS, VA./ ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, CHARLESTON		5,807		22	
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, WILMINGTON/ NEUSE RIVER, N.C.				700	
CAPE FEAR RIVER, N.C./ ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, CHARLESTON		5,945			
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, CHARLESTON/ MANTUA CREEK, N.J.				27,153	
CHRISTINA RIVER, DEL.				4,542	
ST. JOHNS RIVER, FLA.				30,169	
TOTAL, SHIPPING AREA				61,864	
SAVANNAH RIVER, GA./ CAPE FEAR RIVER, N.C.				11,780	
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, CHARLESTON				14,695	
ST. JOHNS RIVER, FLA.				42,963	
TOTAL, SHIPPING AREA				69,438	
GULF INTRACOASTAL WATERWAY/ APALACHEE BAY, FLA., TO MOBILE BAY, ALA./ GULF INTRACOASTAL WATERWAY/ APALACHEE BAY, FLA., TO MOBILE BAY, ALA.				31	499
INNERHARBOR NAVIGATION CANAL, LA.		1,456			
GULF INTRACOASTAL WATERWAY/ MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.					7,138
GALVESTON BAY, TEXAS			1,945		14,798
GULF INTRACOASTAL WATERWAY/ CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER- MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		69,353			7,722
TENNESSEE RIVER, TENN., ALA. AND KY.					1,418
KANAWHA RIVER, N.VA.					670
TOTAL, SHIPPING AREA		70,789	1,945	31	52,245
GULF OF MEXICO/ GULF OF MEXICO		15		53	24,865
HARRISON RIVER SYSTEM					841
GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.					136
INNERHARBOR NAVIGATION CANAL, LA.		100			
GULF INTRACOASTAL WATERWAY/ MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.		12			35,802
ATCHAFALAYA RIVER, LA.					826
SABINE-NECHES WATERWAY, TEXAS					675
MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES					375
TOTAL, SHIPPING AREA		127		53	65,520
HARRISON RIVER SYSTEM/ GULF OF MEXICO					488
HARRISON RIVER SYSTEM		5,059	178,021		
INNERHARBOR NAVIGATION CANAL, LA.		2,810			
GULF INTRACOASTAL WATERWAY/ MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.					7,267
SABINE-NECHES WATERWAY, TEXAS		4,225			
GALVESTON BAY, TEXAS		27,232	25,962		7,000
GULF INTRACOASTAL WATERWAY/ CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER- MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES		1,713			
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		11,310	1,400		
ARKANSAS RIVER, ARK.		24,673			
OHIO RIVER/ ENGINEER DISTRICT, PITTSBURGH		1,441	4,282		
ALLEGHENY RIVER, PA.		2,600			1,427
PORT OF CHICAGO, ILL.				1,704	
TOTAL, SHIPPING AREA		81,063	207,665	1,704	16,182

## Waterborne Commerce of the United States, 1986

TABLE 5--DOMESTIC INLAND MOVEMENTS OF IRON AND STEEL--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	PIG IRON (CODE 3311)	IRON AND STEEL SCRAP (CODE 4011)	IRON AND STEEL SEMIFINISHED PRODUCTS (CODE 3314)	IRON AND STEEL FINISHED PRODUCTS (CODES 3315, 3316, 3319)	IRON AND STEEL PIPE AND TUBE (CODE 3317)
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA./					
WARRIOR RIVER SYSTEM	8,955	3,415	2,968		
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.		480			
GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.					6,615
SABINE-NECHES WATERWAY, TEXAS		1,412			
GALVESTON BAY, TEXAS		4,354	1,400		
GULF INTRACOASTAL WATERWAY' CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER	1,461				23,950
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		42,427		1,573	
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.					
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	5,604		2,800	964	
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	1,500		2,800	1,498	1,000
YAZOO RIVER AND MOUTH, MISS.				1,480	
ARKANSAS RIVER, ARK.	2,410	1,500	18,472	6,448	2,822
WOLF RIVER, TENN.				1,406	
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE			1,700	2,008	
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH	13,989			2,800	
TENNESSEE RIVER, TENN., ALA. AND KY.	1,600				
CUMBERLAND RIVER, TENN. AND KY.			2,974		
ILLINOIS RIVER, ILL.				5,728	
PORT OF CHICAGO, ILL.	21,891	2,800	6,452	1,578	
TOTAL, SHIPPING AREA	57,410	56,388	39,571	27,477	34,387
PEARL RIVER, MISS. AND LA./ GALVESTON BAY, TEXAS		1,500			
INNERHARBOR NAVIGATION CANAL, LA./					
GULF OF MEXICO					120
WARRIOR RIVER SYSTEM		2,400	4,400		
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		4,200			863
WOLF RIVER, TENN.					
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE				1,211	
PORT OF CHICAGO, ILL.					1,289
TOTAL, SHIPPING AREA		6,600	4,400	1,211	2,272
GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX./					454,756
GULF OF MEXICO					300
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.					5,650
INNERHARBOR NAVIGATION CANAL, LA.		1,400			
GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.			8	982	9,717
INLAND WATERWAY, FRANKLIN TO MERMENEAU RIVER, LA.					90
BAYOU VERMILION, LA.					90
GALVESTON BAY, TEXAS					488
GULF INTRACOASTAL WATERWAY' GALVESTON TO CORPUS CHRISTI, TEXAS					50
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSER	11				1,344
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		27,803			540
TOTAL, SHIPPING AREA	11	29,203	8	982	473,025
GULF INTRACOASTAL WATERWAY' PLAQUEMINE TO MORGAN CITY ROUTE, LA./					
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		44,956			
ALLEGHENY RIVER, PA.		2,246			
TOTAL, SHIPPING AREA		47,204			
ATCHAFALAYA RIVER, LA./					
GULF OF MEXICO					2,711
ATCHAFALAYA RIVER, LA.					1
TOTAL, SHIPPING AREA					2,712
BAYOU VERMILION, LA./					
GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.					296
CALCASIEU RIVER AND PASS, LA./					
GULF OF MEXICO					373
SABINE-NECHES WATERWAY, TEXAS/					
GULF OF MEXICO					1,612
WARRIOR RIVER SYSTEM				1,410	
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.				4,600	
GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.					1,360
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSER				600	
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		1,874			
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.					
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER		1,987	1,548	15,343	
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER				1,201	
WOLF RIVER, TENN.				28,443	
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE				1,001	
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH				1,357	

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

69

TABLE 5--DOMESTIC INLAND MOVEMENTS OF IRON AND STEEL--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	PIG IRON (CODE 3311)	IRON AND STEEL SCRAP (CODE 4011)	IRON AND STEEL SEMIFINISHED PRODUCTS (CODE 3314)	IRON AND STEEL FINISHED PRODUCTS (CODES 3315, 3316, 3319)	IRON AND STEEL PIPE AND TUBE (CODE 3317)
TENNESSEE RIVER, TENN., ALA. AND KY.			10,799		
CUMBERLAND RIVER, TENN. AND KY.				19,018	
PORT OF CHICAGO, ILL.				35,393	
TOTAL, SHIPPING AREA		3,861	13,755	135,634	1,612
GALVESTON BAY, TEXAS/ GULF INTRACASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA.			2,649	9,455	
HARBOR RIVER SYSTEM				5,023	
GULF INTRACASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.	900			1,535	
LAKE PONTCHARTRAIN, LA.	100				
GULF INTRACASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.				17,358	
GULF INTRACASTAL WATERWAY' PLAQUEMINE TO MORGAN CITY ROUTE, LA.					677
ATCHAFALAYA RIVER, LA.				1,450	746
SABINE-NECHES WATERWAY, TEXAS	14,983			2,437	
GALVESTON BAY, TEXAS	1,400				9,705
GULF INTRACASTAL WATERWAY' GALVESTON TO CORPUS CHRISTI, TEXAS				210	
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES	14,501			2,400	836
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		22,438			
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	1,837				1,056
ARKANSAS RIVER, ARK.					1,414
WOLF RIVER, TENN.				418	
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE					2,608
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH			1,400	10,583	
MONONGAMELA RIVER, PA. AND W. VA.	5,012			1,600	
ALLEGHENY RIVER, PA.	4,081				
ILLINOIS RIVER, ILL.					4,234
TOTAL, SHIPPING AREA		63,252	4,049	52,469	21,276
GULF INTRACASTAL WATERWAY' GALVESTON TO CORPUS CHRISTI, TEXAS/ SABINE-NECHES WATERWAY, TEXAS		4,257			219
GALVESTON BAY, TEXAS	5,864				2,555
GULF INTRACASTAL WATERWAY' GALVESTON TO CORPUS CHRISTI, TEXAS					60
GULF INTRACASTAL WATERWAY' CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER					
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES	1,491				
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		1,450			
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH		3,210			
TOTAL, SHIPPING AREA		16,272			2,834
GULF INTRACASTAL WATERWAY' CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER/ SABINE-NECHES WATERWAY, TEXAS		25,069			
GALVESTON BAY, TEXAS	2,850				
GULF INTRACASTAL WATERWAY' CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER					22
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE				122	
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH				774	
TENNESSEE RIVER, TENN., ALA. AND KY.				3,429	
ALLEGHENY RIVER, PA.				2,958	
PORT OF CHICAGO, ILL.			1,525	3,879	
TOTAL, SHIPPING AREA		27,919	1,525	11,162	22
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES/ GULF INTRACASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA.				23,541	
GULF OF MEXICO		55			125
HARBOR RIVER SYSTEM	7,000		32,321	41,235	23
INNERHARBOR NAVIGATION CANAL, LA.					212
GULF INTRACASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.		11		974	27,867
CALCASIEU RIVER AND PASS, LA.					152
SABINE-NECHES WATERWAY, TEXAS				622	
GALVESTON BAY, TEXAS		3,608	9,966	25,068	86,954
GULF INTRACASTAL WATERWAY' CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER				871	
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES				529	143
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		1,373		199	
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.			3,183	19,516	
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	1,500	1,400	64,817	59,420	1,802
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	2,895	1,600	3,868	24,761	3,329
YAZOO RIVER AND MOUTH, MISS.			2,494	27,115	
ARKANSAS RIVER, ARK.	3,020	1,386	30,541	89,021	22,484
WOLF RIVER, TENN.			41,292	70,363	3,693
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE			37,302	173,198	15,983
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON			4,126	12,541	
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH			20,497	38,448	2,136
TENNESSEE RIVER, TENN., ALA. AND KY.			63,862	9,826	
CUMBERLAND RIVER, TENN. AND KY.			30,723	79,892	919
MONONGAMELA RIVER, PA. AND W. VA.			2,800		
ALLEGHENY RIVER, PA.			950	5,600	
MISSOURI RIVER			9,531	7,384	512
ILLINOIS RIVER, ILL.			18,462	15,429	3,888
BLACK RIVER, ILL.		740			
LAKE MICHIGAN			83,342	19,414	1,314
PORT OF CHICAGO, ILL.	1,508	1,490	88,107	258,517	40,528
TOTAL, SHIPPING AREA	15,923	11,663	548,190	1,003,454	218,280

## Waterborne Commerce of the United States, 1986

TABLE 5--DOMESTIC INLAND MOVEMENTS OF IRON AND STEEL--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	PIG IRON (CODE 3311)	IRON AND STEEL SCRAP (CODE 4011)	IRON AND STEEL SEMIFINISHED PRODUCTS (CODE 3314)	IRON AND STEEL FINISHED PRODUCTS (CODES 3315, 3316, 3319)	IRON AND STEEL PIPE AND TUBE (CODE 3317)
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA., SABINE-NECHES WATERWAY, TEXAS			1,418		
GALVESTON BAY, TEXAS	801	1,600	1,437	4,063	
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES		1,469			
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.			1,400		
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.	1,493		1,400		
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	1,378			1,405	
ARKANSAS RIVER, ARK.			4,728	3,772	
OHIO RIVER, TENN.				860	
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE				9,409	
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH	12,035	9,560	158,620	76,080	
TENNESSEE RIVER, TENN., ALA. AND KY.			58,655	5,643	
CUMBERLAND RIVER, TENN. AND KY.			1,522		
ALLEGHENY RIVER, PA.				5,800	
ILLINOIS RIVER, ILL.				1,414	
LAKE MICHIGAN	8,223		9,026		
PORT OF CHICAGO, ILL.	12,816	19,512	11,992	73,434	1,073
TOTAL, SHIPPING AREA	36,346	33,541	208,778	184,680	1,073
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.					
SABINE-NECHES WATERWAY, TEXAS		14,676			
GALVESTON BAY, TEXAS		3,380			
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		80,314			
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.				767	
ARKANSAS RIVER, ARK.		1,018			
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH		3,128			
TENNESSEE RIVER, TENN., ALA. AND KY.				500	
ALLEGHENY RIVER, PA.		2,110			
ILLINOIS RIVER, ILL.		1,408			
PORT OF CHICAGO, ILL.				1,571	
TOTAL, SHIPPING AREA		106,434		2,838	
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER/ INNERHARBOR NAVIGATION CANAL, LA.		3,104			
GULF INTRACASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.				9,185	
GALVESTON BAY, TEXAS		1,564	1,400	117,783	
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES		1,897		4,521	
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		60,991		1,000	
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.			2,000	1,821	
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER			754		
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER		1,569	1,045	7,527	
YAZOO RIVER AND MOUTH, MISS.			1,045	2,074	
ARKANSAS RIVER, ARK.		1,499		1,984	
OHIO RIVER, TENN.				3,054	
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON			1,230	972	
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH		1,564		3,890	
TENNESSEE RIVER, TENN., ALA. AND KY.				3,982	
KANAWHA RIVER, W.VA.				328	
ALLEGHENY RIVER, PA.		1,267			
ILLINOIS RIVER, ILL.		12,087			
TOTAL, SHIPPING AREA		85,542	6,429	160,121	
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER/ SABINE-NECHES WATERWAY, TEXAS		1,687		1,677	
GALVESTON BAY, TEXAS				5,679	
GULF INTRACASTAL WATERWAY' CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER		1,497		1,352	
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		49,487			
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER				523	
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE			1,444		
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH		1,077			
TENNESSEE RIVER, TENN., ALA. AND KY.			48,642	2,860	
ALLEGHENY RIVER, PA.		1,236			
TOTAL, SHIPPING AREA		54,984	50,086	12,091	
ARKANSAS RIVER, ARK./ SABINE-NECHES WATERWAY, TEXAS		26,212			
GALVESTON BAY, TEXAS		4,396	985		
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		45,181			
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER			1,000		
ARKANSAS RIVER, ARK.				1,616	
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE		1,420			
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON		1,472			
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH				3,200	
TOTAL, SHIPPING AREA		78,681	1,985	4,816	

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

71

TABLE 5--DOMESTIC INLAND MOVEMENTS OF IRON AND STEEL--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1966

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	PIG IRON (CODE 3311)	IRON AND STEEL SCRAP (CODE 4011)	IRON AND STEEL SEMIFINISHED PRODUCTS (CODE 3314)	IRON AND STEEL FINISHED PRODUCTS (CODES 3315, 3316, 3319)	IRON AND STEEL PIPE AND TUBE (CODE 3317)
GULF RIVER, TENN./					
SABINE-NECHES WATERWAY, TEXAS		23,911			
GALVESTON BAY, TEXAS		13,882			
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		13,658			
TOTAL, SHIPPING AREA		51,451			
OHIO RIVER, ENGINEER DISTRICT, LOUISVILLE/ INNERHARBOR NAVIGATION CANAL, LA.		5,913			
GULF INTRACASTAL WATERWAY, MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.				493	
ATCHAFALAYA RIVER, LA.				491	
SABINE-NECHES WATERWAY, TEXAS		167,793		10,165	
GALVESTON BAY, TEXAS		20,671	2,200	8,039	8,548
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSSES			2,960	1,266	
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		386,262		3,291	
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.				1,090	
MISSISSIPPI RIVER, MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER			1,490		
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER		104,005		3,318	
ARKANSAS RIVER, ARK.		11,721			
OHIO RIVER, ENGINEER DISTRICT, LOUISVILLE			1,645	1,381	
OHIO RIVER, ENGINEER DISTRICT, HUNTINGTON		41,302			
OHIO RIVER, ENGINEER DISTRICT, PITTSBURGH		1,439		4,451	
MONONGAHELA RIVER, PA. AND N.Y.		1,600			
ALLEGHENY RIVER, PA.		17,454			
MISSOURI RIVER		5,518			
ILLINOIS RIVER, ILL.		4,622			
LAKE MICHIGAN		2,800			
PORT OF CHICAGO, ILL.		1,519		1,740	
TOTAL, SHIPPING AREA		772,619	8,295	35,725	8,548
OHIO RIVER, ENGINEER DISTRICT, HUNTINGTON/ INNERHARBOR NAVIGATION CANAL, LA.		7,759			
SABINE-NECHES WATERWAY, TEXAS		37,371			
GALVESTON BAY, TEXAS		16,521	8,798	28,692	
GULF INTRACASTAL WATERWAY, CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER				15,608	
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		66,279		1,674	
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.			3,030	1,440	
MISSISSIPPI RIVER, MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER			7,574	10,485	
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER		17,210	1,300		
ARKANSAS RIVER, ARK.		1,680	9,890	45,359	
GULF RIVER, TENN.				32,075	
OHIO RIVER, ENGINEER DISTRICT, LOUISVILLE	5,900				
OHIO RIVER, ENGINEER DISTRICT, HUNTINGTON			1,518	1,576	
OHIO RIVER, ENGINEER DISTRICT, PITTSBURGH		2,808			
TENNESSEE RIVER, TENN., ALA. AND KY.			1,290	3,523	
CUMBERLAND RIVER, TENN. AND KY.			1,400	48,004	
MISSOURI RIVER		9,107	10,687	2,749	
LAKE MICHIGAN		3,419			
TOTAL, SHIPPING AREA	5,900	162,154	45,487	191,185	
OHIO RIVER, ENGINEER DISTRICT, PITTSBURGH/ HARRIOR RIVER SYSTEM			1,102	19,266	
SABINE-NECHES WATERWAY, TEXAS		25,804	5,560	2,434	
GALVESTON BAY, TEXAS	3,107		13,111	45,110	35,599
GULF INTRACASTAL WATERWAY, CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER				16,626	
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSSES		722	1,209	5,160	
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	3,015	42,879		1,093	
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.			802	1,537	
MISSISSIPPI RIVER, MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER			1,256	14,893	
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	1,492	28,440	3,250	20,635	
YAZOO RIVER AND MOUTH, MISS.				1,477	
ARKANSAS RIVER, ARK.				51,133	1,925
GULF RIVER, TENN.			19,355	12,875	
OHIO RIVER, ENGINEER DISTRICT, LOUISVILLE	17,325		12,783	33,586	
OHIO RIVER, ENGINEER DISTRICT, HUNTINGTON	3,299	8,051	1,013	4,778	
OHIO RIVER, ENGINEER DISTRICT, PITTSBURGH			8,802	5,984	
TENNESSEE RIVER, TENN., ALA. AND KY.		2,673	9,921	96,661	
CUMBERLAND RIVER, TENN. AND KY.			18,165	56,769	
ALLEGHENY RIVER, PA.		1,680	4,956		
MISSOURI RIVER			10,599	8,034	
BLACK RIVER, MIN.	1,295				
LAKE MICHIGAN		2,750			
PORT OF CHICAGO, ILL.	4,393		5,516	49,086	
TOTAL, SHIPPING AREA	53,926	112,999	114,400	447,137	57,524
TENNESSEE RIVER, TENN., ALA. AND KY./ HARRIOR RIVER SYSTEM		1,338			
INNERHARBOR NAVIGATION CANAL, LA.				991	
SABINE-NECHES WATERWAY, TEXAS		9,110			
GALVESTON BAY, TEXAS		18,033		2,843	

TABLE 5--DOMESTIC INLAND MOVEMENTS OF IRON AND STEEL--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	PIG IRON (CODE 3311)	IRON AND STEEL SCRAP (CODE 4011)	IRON AND STEEL SEMIFINISHED PRODUCTS (CODE 3314)	IRON AND STEEL FINISHED PRODUCTS (CODES 3315, 3316, 3319)	IRON AND STEEL PIPE AND TUBE (CODE 3317)
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	-----	27,251	-----	-----	-----
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	-----	13,019	-----	1,451	5,930
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	-----	-----	-----	1,207	-----
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-----	-----	-----	7,906	4,431	-----
ILLINOIS RIVER, ILL.,-----	-----	3,362	-----	-----	14,027
MINNESOTA RIVER, MINN.,-----	-----	1,627	24,448	1,346	3,631
PORT OF CHICAGO, ILL.,-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	-----	73,764	32,354	12,269	23,508
CUMBERLAND RIVER, TENN. AND KY./	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.,-----	-----	1,500	-----	-----	-----
GALVESTON BAY, TEXAS-----	-----	21,523	-----	-----	-----
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	-----	99,089	1,448	1,427	-----
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	-----	1,438	-----	-----	-----
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	-----	30,324	-----	-----	-----
ARKANSAS RIVER, ARK.,-----	-----	3,904	-----	-----	-----
TENNESSEE RIVER, TENN., ALA. AND KY.,-----	-----	842	-----	-----	-----
CUMBERLAND RIVER, TENN. AND KY.,-----	-----	1,400	-----	-----	-----
ILLINOIS RIVER, ILL.,-----	-----	2,814	-----	-----	-----
PORT OF CHICAGO, ILL.,-----	-----	200	-----	-----	-----
TOTAL, SHIPPING AREA-----	-----	171,034	1,448	1,427	-----
KANAWHA RIVER, N.VA./	-----	-----	-----	-----	-----
SABINE-NECHES WATERWAY, TEXAS-----	-----	6,930	-----	-----	-----
GALVESTON BAY, TEXAS-----	-----	1,444	-----	-----	-----
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	-----	1,600	-----	-----	-----
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-----	-----	14,488	-----	-----	-----
ALLEGHENY RIVER, PA.,-----	-----	2,948	-----	-----	-----
TOTAL, SHIPPING AREA-----	-----	27,410	-----	-----	-----
MONONGAHELA RIVER, PA. AND N.VA./	-----	-----	-----	-----	-----
INNERHARBOR NAVIGATION CANAL, LA.,-----	-----	1,775	-----	-----	-----
GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.,-----	-----	-----	-----	-----	2,615
SABINE-NECHES WATERWAY, TEXAS-----	-----	10,287	-----	-----	-----
GALVESTON BAY, TEXAS-----	-----	16,281	2,611	12,094	2,169
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	-----	65,797	-----	1,385	-----
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	-----	-----	-----	5,655	-----
ARKANSAS RIVER, ARK.,-----	-----	-----	-----	25,910	1,400
WOLF RIVER, TENN.,-----	-----	-----	-----	825	-----
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	-----	4,593	4,631	124,054	3,854
TENNESSEE RIVER, TENN., ALA. AND KY.,-----	-----	-----	12,290	6,293	-----
CUMBERLAND RIVER, TENN. AND KY.,-----	-----	-----	898	4,496	-----
ALLEGHENY RIVER, PA.,-----	-----	1,215	-----	-----	-----
MISSOURI RIVER-----	-----	-----	2,376	-----	-----
PORT OF CHICAGO, ILL.,-----	-----	-----	-----	17,976	-----
TOTAL, SHIPPING AREA-----	-----	99,948	23,006	198,688	10,038
ALLEGHENY RIVER, PA./	-----	-----	-----	-----	-----
SABINE-NECHES WATERWAY, TEXAS-----	-----	1,407	-----	-----	-----
GALVESTON BAY, TEXAS-----	-----	13,048	-----	-----	-----
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	-----	3,265	-----	-----	-----
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----	-----	-----	572	1,542	-----
ALLEGHENY RIVER, PA.,-----	-----	44,949	-----	-----	-----
TOTAL, SHIPPING AREA-----	-----	62,669	572	1,542	-----
MISSOURI RIVER/ HARRIOR RIVER SYSTEM-----	-----	-----	100	-----	-----
ILLINOIS RIVER, ILL./	-----	-----	-----	-----	-----
HARRIOR RIVER SYSTEM-----	-----	-----	-----	1,407	-----
INNERHARBOR NAVIGATION CANAL, LA.,-----	-----	-----	3,985	-----	-----
GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.,-----	-----	-----	-----	1,357	-----
SABINE-NECHES WATERWAY, TEXAS-----	-----	14,356	-----	-----	-----
GALVESTON BAY, TEXAS-----	-----	1,416	-----	10,545	-----
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSER-----	-----	-----	-----	1,315	-----
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	-----	23,583	-----	-----	-----
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----	-----	-----	-----	2,662	-----
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	-----	-----	-----	22,554	-----
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	-----	-----	-----	1,600	-----
ARKANSAS RIVER, ARK.,-----	-----	-----	838	6,435	-----
WOLF RIVER, TENN.,-----	-----	-----	-----	29,636	-----
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	-----	-----	-----	43,596	-----
TENNESSEE RIVER, TENN., ALA. AND KY.,-----	-----	-----	-----	3,703	-----
CUMBERLAND RIVER, TENN. AND KY.,-----	-----	-----	-----	14,218	-----
PORT OF CHICAGO, ILL.,-----	-----	1,400	-----	-----	-----
TOTAL, SHIPPING AREA-----	-----	40,755	4,823	141,308	-----

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

73

TABLE 5--DOMESTIC INLAND MOVEMENTS OF IRON AND STEEL--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	PIG IRON (CODE 3311)	IRON AND STEEL SCRAP (CODE 4011)	IRON AND STEEL SEMIFINISHED PRODUCTS (CODE 3314)	IRON AND STEEL FINISHED PRODUCTS (CODES 3315, 3316, 3319)	IRON AND STEEL PIPE AND TUBE (CODE 3317)
BLACK RIVER, MIS./ MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		1,336			
LAKE MICHIGAN/ GULF INTRACOASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA.			18,285		
HARRIOR RIVER SYSTEM		1,400	2,320	24,953	
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.		1,400			
INNERHARBOR NAVIGATION CANAL, LA.		12,689			
GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.		1,259	1,454	1,400	
SABINE-NECHES WATERWAY, TEXAS		9,881		5,633	
GALVESTON BAY, TEXAS		16,915	16,955	21,794	
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSER				2,820	
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		63,290	2,052		
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.		1,148	2,557	11,508	
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER			4,857	16,539	
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER				4,842	
YAZOO RIVER AND MOUTH, MISS.				1,121	
ARKANSAS RIVER, ARK.		4,245	5,886	22,111	
WOLF RIVER, TENN.			8,781	28,175	
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE			777	1,149	
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON		12,939			
TENNESSEE RIVER, TENN., ALA. AND KY.		2,606	12,686	26,894	
CUMBERLAND RIVER, TENN. AND KY.			7,704	35,886	
MONONGAHELA RIVER, PA. AND W.VA.			1,400		
MISSOURI RIVER			4,427	5,662	
ILLINOIS RIVER, ILL.		15,482	1,400	21,832	1,600
PORT OF CHICAGO, ILL.				1,433	
TOTAL, SHIPPING AREA		143,454	90,279	229,152	1,600
PORT OF CHICAGO, ILL./ HARRIOR RIVER SYSTEM		1,680		1,534	
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.				276	
INNERHARBOR NAVIGATION CANAL, LA.		4,615		1,236	
SABINE-NECHES WATERWAY, TEXAS		140,271			
GALVESTON BAY, TEXAS		86,607	4,553	10,411	
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSER		2,132	572	3,639	
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		314,417			
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.				7,259	
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER		1,381	940		
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER		67,660			
YAZOO RIVER AND MOUTH, MISS.				3,684	
ARKANSAS RIVER, ARK.		1,400		4,040	
WOLF RIVER, TENN.				1,400	
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE		1,680	933	1,400	
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH		1,445	914	4,665	
TENNESSEE RIVER, TENN., ALA. AND KY.			822	18,959	
CUMBERLAND RIVER, TENN. AND KY.				19,973	
ILLINOIS RIVER, ILL.		42,557		20,594	
LAKE MICHIGAN		1,400		1,296	
PORT OF CHICAGO, ILL.		6,116		552	
TOTAL, SHIPPING AREA	1,445	671,916	8,734	100,898	
LAKE OF THE WOODS, MINN./ LAKE OF THE WOODS, MINN.					1
LOS ANGELES AND LONG BEACH HARBORS, CALIF./ LOS ANGELES AND LONG BEACH HARBORS, CALIF.					13
SAN FRANCISCO BAY AREA/ SAN FRANCISCO BAY AREA					17,000
COLUMBIA RIVER' ABOVE CELILO FALLS TO KENNEWICK, WASH./ COLUMBIA RIVER' VANCOUVER, WASH., TO THE MOUTH		75			
PUGET SOUND AND TRIBUTARY WATERS/ PUGET SOUND AND TRIBUTARY WATERS		330		3,480	6,170
LOWER & UPPER SOUTHEAST ALASKA/ LOWER & UPPER SOUTHEAST ALASKA					13



TABLE 6--DOMESTIC INLAND MOVEMENTS OF CHEMICALS AND RELATED PRODUCTS  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	COAL TAR (CODE 2811)	BENZENE AND TOLUENE (CODE 2817)	SULPHURIC ACID (CODE 2818)	ALCOHOLS (CODE 2813)	SODIUM HYDROXIDE (CAUSTIC SODA) (CODE 2810)	CHEMICALS AND CHEMICAL SPECIALTIES (CODES 2816, 2819, 2821, 2874)	FERTILIZERS AND FERTILIZER MATERIALS (CODES 1471, 1479, 2871, 2872, 2873, 2879)
TOTAL, ALL SHIPPING AREAS-----	1,294,294	4,596,735	2,037,155	4,730,776	3,967,582	19,746,808	12,946,943
THAMES RIVER, CONN./ THAMES RIVER, CONN.-----			26,500				
PORT OF NEW YORK, N.Y. AND N.J./ PORT OF NEW YORK, N.Y. AND N.J.-----	492	20,415		14,140 1,432	92,308 2,493	113,026	
UPPER HUDSON RIVER, N.Y.-----							
TOTAL, SHIPPING AREA-----	492	20,415		15,572	94,801	113,026	
DELAWARE RIVER' NEW JERSEY SIDE/ DELAWARE RIVER' NEW JERSEY SIDE-----			14,600			67	
DELAWARE RIVER' PENNSYLVANIA AND DELAWARE SIDE-----						51,624	
SCHUYLKILL RIVER, PA.-----				1,400			
BALTIMORE HARBOR AND CHANNELS, MD.-----			82,000		5,351		
HAMPTON ROADS, VA.-----			30,000				
TOTAL, SHIPPING AREA-----			126,600	1,400	5,351	51,691	
DELAWARE RIVER' PENNSYLVANIA AND DELAWARE SIDE/ DELAWARE RIVER' NEW JERSEY SIDE-----		26,099	112,965		15,632		
DELAWARE RIVER' PENNSYLVANIA AND DELAWARE SIDE-----		11,705				146,037	
MANTUA CREEK, N.J.-----			6,480				
SCHUYLKILL RIVER, PA.-----		52,465		2,320			
BALTIMORE HARBOR AND CHANNELS, MD.-----		1,840	39,680		7,578		
JAMES RIVER, VA.-----			3,220			228,727	
HAMPTON ROADS, VA.-----			3,158		2,439		
TOTAL, SHIPPING AREA-----		92,109	165,503	2,320	25,649	374,764	
CHRISTINA RIVER, DEL./ DELAWARE RIVER' PENNSYLVANIA AND DELAWARE SIDE-----						12,660	
SCHUYLKILL RIVER, PA./ DELAWARE RIVER' NEW JERSEY SIDE-----		12,909				2,445	
DELAWARE RIVER' PENNSYLVANIA AND DELAWARE SIDE-----		20,921				193,127	
TOTAL, SHIPPING AREA-----		33,830				195,572	
CHESAPEAKE BAY/ JAMES RIVER, VA.-----						2,350	
BALTIMORE HARBOR AND CHANNELS, MD./ DELAWARE RIVER' NEW JERSEY SIDE-----		1,840					
SCHUYLKILL RIVER, PA.-----		1,840					
NANTICOKE RIVER, DEL. AND MD.-----							2,388
BALTIMORE HARBOR AND CHANNELS, MD.-----		14,720	175,594				
HAMPTON ROADS, VA.-----			1,800				11,000
TOTAL, SHIPPING AREA-----		18,400	177,394				13,388
JAMES RIVER, VA./ NANTICOKE RIVER, DEL. AND MD.-----							2,650
HAMPTON ROADS, VA.-----							385,402
TOTAL, SHIPPING AREA-----							388,052
HAMPTON ROADS, VA./ JAMES RIVER, VA.-----						7,206	4,581
HAMPTON ROADS, VA.-----							8,637
TOTAL, SHIPPING AREA-----						7,206	11,218
ATLANTIC INTRACUASTAL WATERWAY' ENGINEER DISTRICT, WILMINGTON/							
ATLANTIC INTRACUASTAL WATERWAY' ENGINEER DISTRICT, WILMINGTON-----							10,650
NEUSE RIVER, N.C.-----							4,783
TOTAL, SHIPPING AREA-----							17,433
PAMLICO AND TAM RIVERS, N.C./ NANTICOKE RIVER, DEL. AND MD.-----							2,750
BALTIMORE HARBOR AND CHANNELS, MD.-----							18,221
ATLANTIC INTRACUASTAL WATERWAY' ENGINEER DISTRICT, WILMINGTON-----						310,400	1,321,944
TOTAL, SHIPPING AREA-----						310,400	1,342,915
CAPE FEAR RIVER, N.C./ CAPE FEAR RIVER, N.C.-----							9,589
NORTHEAST (CAPE FEAR) RIVER, N.C.-----				75,077		384,582	
TOTAL, SHIPPING AREA-----				75,077		384,582	9,589
SAVANNAH RIVER, GA./ ATLANTIC INTRACUASTAL WATERWAY' ENGINEER DISTRICT, SAVANNAH-----					700		

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

75

TABLE 6--DOMESTIC INLAND MOVEMENTS OF CHEMICALS AND RELATED PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	COAL TAR (CODE 2811)	BENZENE AND TOLUENE (CODE 2817)	SULPHURIC ACID (CODE 2818)	ALCOHOLS (CODE 2813)	SODIUM HYDROXIDE (CAUSTIC SODA) (CODE 2810)	CHEMICALS AND CHEMICAL SPECIALTIES (CODES 2816, 2819, 2821, 2876)	FERTILIZERS AND FERTILIZER MATERIALS (CODES 1471, 1479, 2871, 2872, 2873, 2879)
ATLANTIC INTRACOASTAL WATERWAY' ENGINEER DISTRICT, SAVANNAH /							
ATLANTIC INTRACOASTAL WATERWAY' ENGINEER DISTRICT, SAVANNAH					40,600		
ST. JOHNS RIVER, FLA./				2,497			
CAPE FEAR RIVER, N.C.							
GULF INTRACOASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA./							
GALVESTON BAY, TEXAS							3,000
GULF INTRACOASTAL WATERWAY' CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER							1,502
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.							4,437
WOLF RIVER, TENN.				1,438			
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE							6,423
CUMBERLAND RIVER, TENN. AND KY.							1,387
TOTAL, SHIPPING AREA				1,438			10,749
APALACHICOLA, CHATTAHOOCHEE AND FLINT RIVERS, GA. AND FLA./							
GULF INTRACOASTAL WATERWAY' GALVESTON TO CORPUS CHRISTII, TEXAS						2,226	
GULF OF MEXICO							
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.						25,282	
GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.						441	
CALCASIEU RIVER AND PASS, LA.						34,234	
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES						5	
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.						2,701	
TOTAL, SHIPPING AREA						3,496	
						66,159	
HARRISON RIVER SYSTEM							
GULF INTRACOASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA.					2,400		
APALACHICOLA, CHATTAHOOCHEE AND FLINT RIVERS, GA. AND FLA.							732
GULF OF MEXICO						375	
HARRISON RIVER SYSTEM	6,974			2,757	31,854	2,901	4,020
ALABAMA-COOSA RIVERS, ALA. AND GA.							4,834
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.					1,108		86,920
GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.						1,379	
CALCASIEU RIVER AND PASS, LA.					12,900		
SABINE-NECHES WATERWAY, TEXAS				2,396			
GALVESTON BAY, TEXAS					2,596	36,332	
GULF INTRACOASTAL WATERWAY' GALVESTON TO CORPUS CHRISTII, TEXAS					47,459		
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES						6,127	
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.			2,813		6,300	16,020	
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.						11,068	6,061
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER					3,600	3,718	
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER					1,156	2,607	
ARKANSAS RIVER, ARK.						2,097	
WOLF RIVER, TENN.					3,300	1,438	
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE					1,400	1,390	1,541
TENNESSEE RIVER, TENN., ALA. AND KY.					8,300	39,301	1,484
CUMBERLAND RIVER, TENN. AND KY.							3,272
KANAWHA RIVER, W.VA.					2,400		
MISSOURI RIVER						4,135	
PORT OF CHICAGO, ILL.					1,168	10,295	
TOTAL, SHIPPING AREA	6,974		2,813	5,153	126,001	139,183	90,849
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA./							
GULF INTRACOASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA.							4,218
APALACHICOLA, CHATTAHOOCHEE AND FLINT RIVERS, GA. AND FLA.						14,482	9,171
ESCAMBIA AND CUMECUM RIVERS, FLA. AND ALA.						2,400	
HARRISON RIVER SYSTEM						1,457	32,424
ALABAMA-COOSA RIVERS, ALA. AND GA.							4,014
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.						8,244	10,049

## Waterborne Commerce of the United States, 1986

TABLE 6--DOMESTIC INLAND MOVEMENTS OF CHEMICALS AND RELATED PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	COAL TAR (CODE 2811)	BENZENE AND TOLUENE (CODE 2817)	SULPHURIC ACID (CODE 2818)	ALCOHOLS (CODE 2813)	SODIUM HYDROXIDE (CAUSTIC SODA) (CODE 2810)	CHEMICALS AND CHEMICAL SPECIALTIES (CODES 2816, 2819, 2821, 2876)	FERTILIZERS AND FERTILIZER MATERIALS (CODES 1471, 1479, 2871, 2872, 2873, 2879)
GULF INTRACOASTAL WATERWAY: PLAQUEMINE TO MORGAN CITY ROUTE, LA.,							1,666
SABINE-NECHES WATERWAY, TEXAS		2,231				1,316	
GALVESTON BAY, TEXAS						38,528	30,204
GULF INTRACOASTAL WATERWAY: GALVESTON TO CORPUS CHRISTI, TEXAS						15,000	
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER							3,063
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES						39,251	
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.			91,297			14,699	16,738
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.						9,509	37,575
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER						26,998	12,541
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER						17,909	58,676
YAZOO RIVER AND MOUTH, MISS.							34,419
ARKANSAS RIVER, ARK.						1,321	71,357
WOLF RIVER, TENN.							4,995
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE						18,415	60,832
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH						4,353	6,246
TENNESSEE RIVER, TENN., ALA. AND KY.							30,768
CUMBERLAND RIVER, TENN. AND KY.						72,148	
ALLEGHENY RIVER, PA.							1,600
MISSOURI RIVER							35,318
ILLINOIS RIVER, ILL.						5,000	53,492
MINNESOTA RIVER, MINN.							1,750
PORT OF CHICAGO, ILL.						1,603	
TOTAL, SHIPPING AREA		2,231	91,297			291,688	526,096
PEARL RIVER, MISS. AND LA., MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES						1,234	
INNERHARBOR NAVIGATION CANAL, LA., GULF OF MEXICO						200	
GULF INTRACOASTAL WATERWAY: MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.						877	
SABINE-NECHES WATERWAY, TEXAS						203	
TOTAL, SHIPPING AREA						1,280	
LAKE PONTCHARTRAIN, LA., LAKE PONTCHARTRAIN, LA.						18	
GULF INTRACOASTAL WATERWAY: MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX., GULF OF MEXICO				23		404,982	
GULF INTRACOASTAL WATERWAY: MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.				119	5	1,884	
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES						478	
TOTAL, SHIPPING AREA				142	5	407,344	
GULF INTRACOASTAL WATERWAY: PLAQUEMINE TO MORGAN CITY ROUTE, LA., GULF INTRACOASTAL WATERWAY: GALVESTON TO CORPUS CHRISTI, TEXAS						23,892	
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.						7,336	
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER					1,367		
BLACK RIVER, MISS.					1,386		
TOTAL, SHIPPING AREA					2,755	31,228	
ATCHAFALYA RIVER, LA., APALACHICOLA, CHATTAHOOCHEE AND FLINT RIVERS, GA. AND FLA.							1,383
GULF OF MEXICO						346	
ATCHAFALYA RIVER, LA.						13	
GALVESTON BAY, TEXAS						1,493	
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES						2,900	
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.						3,206	
TOTAL, SHIPPING AREA						10,478	1,383
DOUCHITA AND BLACK RIVERS, ARK. AND LA., MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.						20,000	
ILLINOIS RIVER, ILL.						2,500	
TOTAL, SHIPPING AREA						22,500	

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

77

TABLE 6--DOMESTIC INLAND MOVEMENTS OF CHEMICALS AND RELATED PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	COAL TAR (CODE 2811)	BENZENE AND TOLUENE (CODE 2817)	SULPHURIC ACID (CODE 2818)	ALCOHOLS (CODE 2813)	SODIUM HYDROXIDE (CAUSTIC SODA) (CODE 2810)	CHEMICALS AND CHEMICAL SPECIALTIES (CODES 2816, 2819, 2821, 2876)	FERTILIZERS AND FERTILIZER MATERIALS (CODES 1471, 1479, 2871, 2872, 2873, 2879)
INLAND WATERWAY, FRANKLIN TO MERMENTAU RIVER, LA.,/ BAYOU VERMILION, LA.,						65	
BAYOU VERMILION, LA.,							
GULF INTRACOASTAL WATERWAY, MISSISSIPPI RIVER, LA.,						232	
TO SABINE RIVER, TEX.,						362	
INLAND WATERWAY, FRANKLIN TO MERMENTAU RIVER, LA.,							
TOTAL, SHIPPING AREA						594	
MERMENTAU RIVER, BAYOU NEZPIOJE AND BAYOU DES CANNES, LA.,							
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,						3,496	
CALCASIEU RIVER AND PASS, LA.,							
GULF INTRACOASTAL WATERWAY, APALACHEE BAY, FLA., TO MOBILE BAY, ALA.,					3,178		
GULF OF MEXICO						1,719	
WARRIOR RIVER SYSTEM					11,121	674	
CALCASIEU RIVER AND PASS, LA.,					16,579	696	
SABINE-NECHES WATERWAY, TEXAS					31,809	19,763	
GALVESTON BAY, TEXAS			2,949		184,169	72,761	
GULF INTRACOASTAL WATERWAY, GALVESTON TO CORPUS CHRISTI, TEXAS					54,579	63,765	
GULF INTRACOASTAL WATERWAY, CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER					26,407		
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES					5,382		
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,			2,740		59,219	17,537	5,297
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,					72,590		3,176
MISSISSIPPI RIVER, MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER					61,590		1,482
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER					9,568		1,476
YAZOO RIVER AND MOUTH, MISS.							1,466
ARKANSAS RIVER, ARK.							7,510
WOLF RIVER, TENN.					7,998		
OHIO RIVER, ENGINEER DISTRICT, LOUISVILLE					6,768		10,325
OHIO RIVER, ENGINEER DISTRICT, PITTSBURGH				12,600			
TENNESSEE RIVER, TENN., ALA. AND KY.					3,300		8,035
GREEN AND BARREN RIVERS, KY.						1,453	
KANAWHA RIVER, W.VA.				405	2,602	2,053	
MISSOURI RIVER					2,368		
ILLINOIS RIVER, ILL.							14,937
PORT OF CHICAGO, ILL.				1,400	103,925	2,845	
TOTAL, SHIPPING AREA			5,689	14,405	663,092	183,266	53,704
SABINE-NECHES WATERWAY, TEXAS/ ESCAMBIA AND CONECH RIVERS, FLA. AND ALA.,						80,428	
GULF OF MEXICO						389	
WARRIOR RIVER SYSTEM	3,842	2,818		4,284			
ALABAMA-COOSA RIVERS, ALA. AND GA.				2,435			
GULF INTRACOASTAL WATERWAY, MOBILE BAY, ALA., TO NEW ORLEANS, LA.,	2,619	9,997					
PEARL RIVER, MISS. AND LA.						10,300	
ATCHAFALAYA RIVER, LA.		1,316					
CALCASIEU RIVER AND PASS, LA.				20,431			
SABINE-NECHES WATERWAY, TEXAS	1,386	38,826	19,600	7,095		82,256	
GALVESTON BAY, TEXAS	87,071	284,778	1,400	196,250		241,150	
GULF INTRACOASTAL WATERWAY, GALVESTON TO CORPUS CHRISTI, TEXAS		16,261	15,475	6,282		278,584	
GULF INTRACOASTAL WATERWAY, CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER	20,809	1,364		12,602			
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES	1,433	2,805		16,132		8,295	
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,		243,741	45,525	19,673		1,275	
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,				36,788			
MISSISSIPPI RIVER, MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	250			7,820			
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	1,429			5,617		3,255	
ARKANSAS RIVER, ARK.				4,158			
WOLF RIVER, TENN.	250	10,852		1,707			
OHIO RIVER, ENGINEER DISTRICT, LOUISVILLE				11,177			
OHIO RIVER, ENGINEER DISTRICT, HUNTINGTON						65,141	
OHIO RIVER, ENGINEER DISTRICT, PITTSBURGH				1,391			
CUMBERLAND RIVER, TENN. AND KY.				8,929			
KANAWHA RIVER, W.VA.				75,647			
ALLEGHENY RIVER, PA.				33,757			
MISSOURI RIVER				2,093			
PORT OF CHICAGO, ILL.	2,985			31,692	5,515		
TOTAL, SHIPPING AREA	122,074	612,778	82,000	505,640	5,515	771,077	

TABLE 6--DOMESTIC INLAND MOVEMENTS OF CHEMICALS AND RELATED PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	COAL TAR (CODE 2811)	BENZENE AND TOLUENE (CODE 2817)	SULPHURIC ACID (CODE 2818)	ALCOHOLS (CODE 2813)	SODIUM HYDROXIDE (CAUSTIC SODA) (CODE 2810)	CHEMICALS AND CHEMICAL SPECIALTIES (CODES 2816, 2819, 2821, 2876)	FERTILIZERS AND FERTILIZER MATERIALS (CODES 1471, 1479, 2871, 2872, 2873, 2879)
GALVESTON BAY, TEXAS/ GULF INTRACOASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA.,-----	1,981	3,609	-----	3,025	-----	5,996	-----
APALACHEE BAY, FLA.,-----	-----	-----	-----	-----	-----	6,218	-----
APALACHEE BAY, FLA.,-----	-----	-----	-----	-----	-----	10,263	-----
ESCAMBIA AND CONEJUN RIVERS, FLA. AND ALA.,-----	-----	-----	-----	-----	-----	-----	-----
HARRISON RIVER SYSTEM-----	-----	-----	3,057	17,533	54,441	-----	-----
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.,-----	13,605	38,149	16,161	-----	-----	2,248	-----
ATCHAFALAYA RIVER, LA.,-----	-----	1,367	-----	-----	-----	-----	-----
VERMENTAU RIVER, BAYOU MEZPIQUE AND BAYOU DES CANNES, LA.,-----	-----	-----	-----	-----	-----	1,511	-----
CALCASIEU RIVER AND PASS, LA.,-----	-----	-----	7,309	7,168	19,648	67,952	-----
SABINE-NECHES WATERWAY, TEXAS-----	5,643	85,011	1,800	43,615	5,740	204,917	-----
GULF INTRACOASTAL WATERWAY' SABINE RIVER TO GALVESTON, TEXAS-----	-----	-----	-----	-----	-----	1,375	-----
GALVESTON BAY, TEXAS-----	95,596	1,034,279	136,927	645,635	43,524	1,316,495	14,990
GULF INTRACOASTAL WATERWAY' GALVESTON TO CORPUS CHRISTI, TEXAS-----	-----	49,215	419,812	46,964	2,866	570,157	18,140
GULF INTRACOASTAL WATERWAY' CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	25,078	13,289	2,100	668,118	8,307	23,822	-----
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSAGE-----	2,603	15,517	3,060	-----	-----	75,526	413
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	2,215	168,514	67,956	39,474	-----	584,985	1,441
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----	1,578	-----	-----	7,178	-----	6,222	1,533
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	1,215	2,694	-----	4,283	16,093	2,742	9,535
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	17,357	4,555	-----	10,138	8,823	28,754	2,948
ARKANSAS RIVER, ARK.,-----	-----	3,509	-----	-----	4,355	-----	5,938
HOLF RIVER, TENN.,-----	-----	1,355	-----	2,559	7,502	-----	-----
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	1,400	4,364	-----	92,823	10,529	406,893	18,075
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON-----	-----	7,698	-----	-----	-----	140,022	-----
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-----	-----	2,935	-----	39,044	14,439	286,692	-----
TENNESSEE RIVER, TENN., ALA. AND KY.,-----	28,746	-----	-----	-----	18,480	293,992	9,307
CUMBERLAND RIVER, TENN. AND KY.,-----	-----	-----	-----	5,688	-----	92,789	1,506
BIG SANDY RIVER, KY. AND W.VA.,-----	-----	2,693	-----	-----	-----	-----	-----
KANAWHA RIVER, W.VA.,-----	-----	-----	-----	146,759	1,459	227,945	-----
MONONGAMELA RIVER, PA. AND W.VA.,-----	-----	-----	-----	-----	5,111	3,937	-----
ALLEGHENY RIVER, PA.,-----	-----	-----	-----	16,930	-----	4,042	-----
MISSOURI RIVER-----	-----	-----	-----	7,146	-----	-----	1,503
ILLINOIS RIVER, ILL.,-----	65,265	-----	-----	-----	-----	409,005	7,934
MINNESOTA RIVER, MINN.,-----	-----	-----	-----	-----	-----	-----	4,383
LAKE MICHIGAN-----	-----	22,852	-----	-----	-----	-----	-----
PORT OF CHICAGO, ILL.,-----	3,120	-----	-----	76,322	11,004	128,453	-----
TOTAL, SHIPPING AREA-----	265,402	1,461,405	659,182	1,880,402	232,321	4,902,973	97,652
GULF INTRACOASTAL WATERWAY' GALVESTON TO CORPUS CHRISTI, TEXAS/ ESCAMBIA AND CONEJUN RIVERS, FLA. AND ALA.,-----	-----	-----	-----	-----	-----	47,642	-----
HARRISON RIVER SYSTEM-----	-----	-----	-----	-----	-----	1,682	-----
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.,-----	-----	-----	-----	-----	-----	3,561	-----
SABINE-NECHES WATERWAY, TEXAS-----	-----	9,884	-----	-----	5,375	155,683	-----
GALVESTON BAY, TEXAS-----	55,158	99,404	-----	100,627	16,346	775,990	-----
GULF INTRACOASTAL WATERWAY' GALVESTON TO CORPUS CHRISTI, TEXAS-----	36,149	2,080	-----	-----	29,107	300,947	-----
GULF INTRACOASTAL WATERWAY' CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	4,274	5,848	-----	-----	46,488	42,462	-----
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSAGE-----	2,298	4,183	-----	-----	-----	-----	-----
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	-----	22,073	-----	9,523	114,307	218,685	-----
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----	-----	-----	-----	-----	-----	133,405	-----
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	-----	-----	-----	1,300	-----	-----	-----
ARKANSAS RIVER, ARK.,-----	-----	-----	-----	-----	-----	63,524	-----
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	-----	-----	-----	1,137	-----	561,788	1,306
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON-----	-----	-----	-----	-----	-----	84,552	-----
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-----	-----	1,490	-----	-----	-----	5,808	-----
TENNESSEE RIVER, TENN., ALA. AND KY.,-----	-----	-----	-----	-----	-----	89,205	-----
KANAWHA RIVER, W.VA.,-----	-----	-----	-----	-----	-----	20,316	-----
ILLINOIS RIVER, ILL.,-----	-----	-----	-----	-----	-----	101,930	-----
PORT OF CHICAGO, ILL.,-----	-----	-----	-----	-----	-----	8,181	-----
TOTAL, SHIPPING AREA-----	97,859	144,962	-----	112,587	211,623	2,615,361	1,506
GULF INTRACOASTAL WATERWAY' CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER/ ESCAMBIA AND CONEJUN RIVERS, FLA. AND ALA.,-----	-----	-----	-----	-----	-----	16,183	-----
HARRISON RIVER SYSTEM-----	-----	-----	-----	-----	11,579	-----	-----
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.,-----	-----	7,195	-----	-----	-----	-----	-----
ATCHAFALAYA RIVER, LA.,-----	-----	1,562	-----	-----	-----	-----	-----
CALCASIEU RIVER AND PASS, LA.,-----	-----	-----	-----	-----	1,328	-----	-----
SABINE-NECHES WATERWAY, TEXAS-----	-----	48,825	-----	14,467	10,155	2,509	-----

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

79

TABLE 6--DOMESTIC INLAND MOVEMENTS OF CHEMICALS AND RELATED PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	COAL TAR (CODE 2011)	BENZENE AND TOLUENE (CODE 2017)	SULPHURIC ACID (CODE 2018)	ALCOHOLS (CODE 2013)	SODIUM HYDROXIDE (CAUSTIC SODA) (CODE 2010)	CHEMICALS AND CHEMICAL SPECIALTIES (CODES 2016, 2019, 2021, 2076)	FERTILIZERS AND FERTILIZER MATERIALS (CODES 1471, 1479, 2071, 2072, 2073, 2079)
GALVESTON BAY, TEXAS-----	15,012	177,971	600	249,444	41,953	132,130	-----
GULF INTRACOASTAL WATERWAY: GALVESTON TO CORPUS CHRISTI, TEXAS-----	-----	21,360	-----	-----	66,581	69,149	-----
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	68,444	191,789	-----	15,543	1,336	4,362	-----
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSEB-----	5,637	2,802	-----	-----	1,406	6,843	-----
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	-----	40,553	12,140	1,515	-----	55,739	-----
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	-----	-----	-----	-----	-----	51,377	-----
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	-----	-----	-----	-----	2,574	-----	-----
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE-----	-----	1,466	-----	-----	1,223	230,851	-----
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON-----	1,566	-----	-----	-----	-----	78,487	-----
TENNESSEE RIVER, TENN., ALA. AND KY.-----	-----	-----	-----	-----	2,571	-----	-----
CUMBERLAND RIVER, TENN. AND KY.-----	-----	-----	-----	-----	-----	4,820	-----
ILLINOIS RIVER, ILL.-----	-----	-----	-----	-----	-----	21,563	-----
TOTAL, SHIPPING AREA-----	90,659	491,519	12,740	280,969	140,606	674,021	-----
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSEB/ GULF INTRACOASTAL WATERWAY: APALACHEE BAY, FLA., TO MOBILE BAY, ALA.-----	6,344	2,562	-----	-----	-----	-----	1,445
APALACHICOLA, CHATTAHOOCHEE AND FLINT RIVERS, GA. AND FLA.-----	-----	-----	-----	-----	-----	-----	1,400
GULF OF MEXICO-----	-----	-----	-----	2,789	4,256	23	-----
HARRIS RIVER SYSTEM-----	-----	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----	5,645	28,988	-----	-----	-----	-----	2,997
GULF INTRACOASTAL WATERWAY: PLAQUEMINE TO MORGAN CITY ROUTE, LA.-----	-----	-----	-----	-----	-----	-----	2,913
HERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.-----	-----	-----	-----	-----	-----	-----	9,223
SABINE-NICHES WATERWAY, TEXAS-----	-----	1,353	-----	-----	-----	1,278	-----
GALVESTON BAY, TEXAS-----	68,416	17,391	-----	1,385	2,100	3,327	18,706
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	1,397	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSEB-----	2,594	1,522	-----	1,407	1,453	3,654	-----
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	1,400	144,993	-----	7,455	1,326	26,921	35,004
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	-----	-----	-----	-----	-----	4,497	48,744
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	1,513	-----	-----	1,391	2,698	41,660	37,512
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	-----	-----	-----	6,635	-----	19,612	268,690
YAZOO RIVER AND MOUTH, MISS.-----	-----	-----	-----	-----	-----	-----	14,042
ARKANSAS RIVER, ARK.-----	-----	-----	-----	-----	1,409	-----	44,660
WHITE RIVER, ARK.-----	-----	-----	-----	-----	-----	-----	1,430
HOLF RIVER, TENN.-----	-----	-----	-----	-----	-----	8,748	3,111
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE-----	-----	1,400	-----	7,497	5,745	2,530	118,032
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON-----	-----	-----	-----	-----	-----	3,000	1,500
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH-----	-----	13,088	-----	4,136	-----	18,576	21,325
TENNESSEE RIVER, TENN., ALA. AND KY.-----	53,448	-----	-----	-----	2,400	759	20,668
CUMBERLAND RIVER, TENN. AND KY.-----	-----	-----	-----	-----	-----	12,085	7,596
GREEN AND BARREN RIVERS, KY.-----	-----	-----	-----	-----	-----	5,850	-----
KANAWHA RIVER, W.VA.-----	-----	-----	-----	-----	1,200	1,001	-----
ALLEGHENY RIVER, PA.-----	-----	-----	-----	-----	-----	-----	4,356
MISSOURI RIVER-----	-----	-----	-----	-----	1,200	-----	76,546
ILLINOIS RIVER, ILL.-----	13,426	-----	-----	-----	-----	10,058	550,074
ST. CROIX RIVER, WIS. AND MINN.-----	-----	-----	-----	-----	-----	-----	1,538
MINNESOTA RIVER, MINN.-----	-----	-----	-----	-----	-----	-----	93,841
LAKE MICHIGAN-----	-----	-----	-----	1,381	-----	-----	1,475
PORT OF CHICAGO, ILL.-----	-----	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	150,183	211,297	-----	34,076	23,787	163,579	1,386,828
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	-----	-----	-----	27,632	9,979	2,746	16,836
GULF INTRACOASTAL WATERWAY: APALACHEE BAY, FLA., TO MOBILE BAY, ALA.-----	-----	-----	-----	-----	25,403	-----	45,689
APALACHICOLA, CHATTAHOOCHEE AND FLINT RIVERS, GA. AND FLA.-----	-----	-----	-----	-----	-----	4,800	-----
ESCAMBIA AND CONEJUM RIVERS, FLA. AND ALA.-----	-----	-----	-----	-----	-----	2,535	-----
GULF OF MEXICO-----	-----	-----	-----	1,468	2,635	181,091	1,191
HARRIS RIVER SYSTEM-----	-----	-----	-----	9,223	-----	2,133	-----
ALABAMA-COOSA RIVERS, ALA. AND GA.-----	-----	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----	-----	2,769	92,890	-----	25,197	1,417	4,920
PEARL RIVER, MISS. AND LA.-----	-----	-----	-----	-----	-----	33,531	-----
LAKE MAUREPAS, LA.-----	-----	-----	-----	-----	-----	-----	1,437
GULF INTRACOASTAL WATERWAY: PLAQUEMINE TO MORGAN CITY ROUTE, LA.-----	-----	-----	-----	-----	-----	-----	5,954
ATCHAFALAYA RIVER, LA.-----	-----	-----	-----	-----	-----	14,576	8,495
OUCHITA AND BLACK RIVERS, ARK. AND LA.-----	-----	-----	-----	-----	34,528	-----	18,619
HERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.-----	-----	-----	-----	-----	-----	-----	7,592
CALCASIEU RIVER AND PASS, LA.-----	-----	-----	4,325	11,956	18,215	7,270	-----

# Waterborne Commerce of the United States, 1986

TABLE 8--DOMESTIC INLAND MOVEMENTS OF CHEMICALS AND RELATED PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	COAL TAR (CODE 2811)	BENZENE AND TOLUENE (CODE 2817)	SULPHURIC ACID (CODE 2818)	ALCOHOLS (CODE 2813)	SODIUM HYDROXIDE (CAUSTIC SODA) (CODE 2810)	CHEMICALS AND CHEMICAL SPECIALTIES (CODES 2816, 2819, 2821, 2876)	FERTILIZERS AND FERTILIZER MATERIALS (CODES 1471, 1479, 2871, 2872, 2873, 2879)
SABINE-NECHES WATERWAY, TEXAS-----		19,083	35,055	1,404	16,462	68,553	-----
GALVESTON BAY, TEXAS-----	1,461	555,714	8,825	158,008	55,451	416,109	270,923
GULF INTRACOASTAL WATERWAY' GALVESTON TO CORPUS CHRISTI, TEXAS-----		284,870	3,127	17,861	24,878	407,488	104,856
GULF INTRACOASTAL WATERWAY' CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----			7,850	-----	-----	1,036	51,203
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSSES-----		2,832	1,379	-----	7,051	11,260	-----
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	2,621	190,192	345,356	118,171	229,866	1,532,336	173,125
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----		1,447	-----	50,590	1,376	257,995	496,528
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----			4,297	28,143	95,735	90,456	318,840
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----		4,261	8,787	52,115	92,930	212,465	1,081,112
YAZOO RIVER AND MOUTH, MISS.-----				3,347	-----	-----	57,895
ARKANSAS RIVER, ARK.-----				12,512	155,415	7,655	549,141
WHITE RIVER, ARK.-----				-----	-----	-----	53,043
HOLF RIVER, TENN.-----				7,929	32,365	9,090	21,248
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----		1,439	1,150	213,942	265,290	556,637	980,258
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON-----				-----	-----	533,561	27,210
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-----	6,939			66,896	61,449	467,043	106,396
TENNESSEE RIVER, TENN., ALA. AND KY.-----			4,545	-----	157,491	380,055	98,926
CUMBERLAND RIVER, TENN. AND KY.-----				3,076	-----	42,939	55,360
GREEN AND BARNEN RIVERS, KY.-----				-----	-----	167,756	-----
KANAWHA RIVER, W.VA.-----				87,568	-----	39,567	-----
MONONGAMELA RIVER, PA. AND W.VA.-----				-----	7,871	29,890	-----
ALLEGHENY RIVER, PA.-----				45,820	-----	-----	57,773
MISSOURI RIVER-----				13,487	16,673	3,614	384,692
ILLINOIS RIVER, ILL.-----				27,380	-----	503,742	593,773
BLACK RIVER, WIS.-----				-----	24,214	-----	11,366
ST. CROIX RIVER, WIS. AND MINN.-----				-----	-----	-----	15,526
MINNESOTA RIVER, MINN.-----				-----	-----	-----	284,247
LAKE MICHIGAN-----		13,212		29,306	-----	-----	94,535
PORT OF CHICAGO, ILL.-----	14,272	12,871		73,548	377,301	158,678	60,872
TOTAL, SHIPPING AREA-----	25,293	1,088,690	523,054	1,058,549	1,916,831	5,929,551	6,019,531
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA./							
GULF INTRACOASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA.-----							1,299
GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----							1,203
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----							6,284
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----							3,026
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----						5,068	8,800
ARKANSAS RIVER, ARK.-----						-----	23,807
HOLF RIVER, TENN.-----				1,400		-----	6,143
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----				1,373		8,368	6,302
MISSOURI RIVER-----				-----		-----	9,584
ILLINOIS RIVER, ILL.-----				-----		-----	3,110
TOTAL, SHIPPING AREA-----				2,773		13,436	69,558
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER/							
GULF INTRACOASTAL WATERWAY' APALACHEE BAY, FLA., TO MOBILE BAY, ALA.-----							6,319
APALACHICOLA, CHATTAHOOCHEE AND FLINT RIVERS, GA. AND FLA.-----							1,200
WARRIOR RIVER SYSTEM-----							1,499
MERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.-----							12,206
GALVESTON BAY, TEXAS-----						1,469	-----
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----			19,978				13,467
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----						1,680	56,395
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----							26,613
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----							85,297
YAZOO RIVER AND MOUTH, MISS.-----							7,386
ARKANSAS RIVER, ARK.-----							22,067
WHITE RIVER, ARK.-----							12,618
HOLF RIVER, TENN.-----							12,771
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----							165,252
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON-----		4,600					7,756
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-----							6,406
TENNESSEE RIVER, TENN., ALA. AND KY.-----			23,800		1,326		48,021
CUMBERLAND RIVER, TENN. AND KY.-----			7,554				16,066
BIG SANDY RIVER, KY. AND W.VA.-----		11,464					-----
ALLEGHENY RIVER, PA.-----							11,030
MISSOURI RIVER-----							14,603
ILLINOIS RIVER, ILL.-----							104,773

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

81

TABLE 6--DOMESTIC INLAND MOVEMENTS OF CHEMICALS AND RELATED PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1966

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	COAL TAR (CODE 2811)	BENZENE AND TOLUENE (CODE 2817)	SULPHURIC ACID (CODE 2816)	ALCOHOLS (CODE 2813)	SODIUM HYDROXIDE (CAUSTIC SODA) (CODE 2810)	CHEMICALS AND CHEMICAL SPECIALTIES (CODES 2816, 2819, 2821, 2876)	FERTILIZERS AND FERTILIZER MATERIALS (CODES 1471, 1479, 2871, 2872, 2873, 2879)
BLACK RIVER, MIS.							3,188
MINNESOTA RIVER, MINN.							1,415
LAKE MICHIGAN							23,586
PORT OF CHICAGO, ILL.							8,471
TOTAL, SHIPPING AREA		16,064	51,332		1,326	3,169	668,405
MISSISSIPPI RIVER/ MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER/							
GULF INTRACOASTAL WATERWAY/ APALACHEE BAY, FLA., TO MOBILE BAY, ALA.							2,800
HARRIOR RIVER SYSTEM				10,844			2,912
HERMENTAU RIVER, BAYOU MEZPIQUE AND BAYOU DES CANNES, LA.							1,601
GALVESTON BAY, TEXAS		16,935		36,054	3,176	5,243	
GULF INTRACOASTAL WATERWAY/ GALVESTON TO CORPUS CHRISTI, TEXAS	1,400	4,337				20,517	
MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES				39,241			2,881
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		75,654	13,938	55,983			53,685
MISSISSIPPI RIVER/ MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.						2,500	44,044
MISSISSIPPI RIVER/ MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER		42,496					30,480
MISSISSIPPI RIVER/ MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER				28,186		27,500	302,160
YAZOO RIVER AND MOUTH, MISS.							6,452
ARKANSAS RIVER, ARK.							11,025
WOLF RIVER, TENN.				2,652			
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE							212,226
OHIO RIVER/ ENGINEER DISTRICT, HUNTINGTON							5,898
OHIO RIVER/ ENGINEER DISTRICT, PITTSBURGH		1,435					15,835
TENNESSEE RIVER, TENN., ALA. AND KY.							41,181
CUMBERLAND RIVER, TENN. AND KY.						1,501	9,277
BIG SANDY RIVER, KY. AND W.VA.							37,362
ALLEGHENY RIVER, PA.							1,592
MISSOURI RIVER							1,307
ILLINOIS RIVER, ILL.				3,200		2,500	97,312
BLACK RIVER, MIS.							3,556
LAKE MICHIGAN				1,580			
PORT OF CHICAGO, ILL.				137,996			
TOTAL, SHIPPING AREA	1,400	140,857	13,938	315,736	3,176	59,761	884,386
YAZOO RIVER AND MOUTH, MISS./							
APALACHICOLA, CHATTANOOCHEE AND FLINT RIVERS, GA. AND FLA.							39,349
HARRIOR RIVER SYSTEM							3,007
GALVESTON BAY, TEXAS							8,098
GULF INTRACOASTAL WATERWAY/ GALVESTON TO CORPUS CHRISTI, TEXAS							51,286
GULF INTRACOASTAL WATERWAY/ CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER							25,956
MISSISSIPPI RIVER/ MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.							92,685
MISSISSIPPI RIVER/ MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER							2,615
ARKANSAS RIVER, ARK.							5,193
WHITE RIVER, ARK.							10,449
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE							20,658
TENNESSEE RIVER, TENN., ALA. AND KY.							5,456
ILLINOIS RIVER, ILL.							9,172
TOTAL, SHIPPING AREA							273,924
ARKANSAS RIVER, ARK./							
ATCHAFALAYA RIVER, LA.							11,095
SABINE-NECHES WATERWAY, TEXAS						53,987	
GULF INTRACOASTAL WATERWAY/ GALVESTON TO CORPUS CHRISTI, TEXAS							7,548
GULF INTRACOASTAL WATERWAY/ CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER							6,431
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.						20,200	21,000
MISSISSIPPI RIVER/ MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.						5,000	18,029
MISSISSIPPI RIVER/ MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER							78,357
MISSISSIPPI RIVER/ MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER						26,000	10,500
ARKANSAS RIVER, ARK.							8,536
WHITE RIVER, ARK.							3,011
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE						10,699	90,759
MISSOURI RIVER							6,259
ILLINOIS RIVER, ILL.						20,200	50,833
LAKE MICHIGAN							11,210
TOTAL, SHIPPING AREA						136,086	323,568



TABLE 6--DOMESTIC INLAND MOVEMENTS OF CHEMICALS AND RELATED PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREACALENDAR YEAR 1986  
(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	COAL TAR (CODE 2811)	BENZENE AND TOLUENE (CODE 2817)	SULPHURIC ACID (CODE 2818)	ALCOHOLS (CODE 2813)	SODIUM HYDROXIDE (CAUSTIC SODA) (CODE 2810)	CHEMICALS AND CHEMICAL SPECIALTIES (CODES 2816, 2819, 2821, 2876)	FERTILIZERS AND FERTILIZER MATERIALS (CODES 1471, 1479, 2871, 2872, 2873, 2879)
GULF RIVER, TENN./ GULF INTRACOASTAL WATERWAY: APALACHEE BAY, FLA., TO MOBILE BAY, ALA.,				1,335			
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES						9,710	
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,						3,312	
TENNESSEE RIVER, TENN., ALA. AND KY.							1,605
CUMBERLAND RIVER, TENN. AND KY.				5,904			
TOTAL, SHIPPING AREA				7,239		13,022	1,605
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE/ HARRISON RIVER SYSTEM				1,370			
GALVESTON BAY, TEXAS	2,000					2,600	
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES							1,498
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,			908			1,730	23,988
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,						50,836	9,218
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER							5,776
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER							8,948
YAZOO RIVER AND MOUTH, MISS.							4,588
ARKANSAS RIVER, ARK.					903		1,400
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE				1,403		909,600	87,087
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON	45,722	2,184					
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH	1,400	1,400				3,313	10,657
TENNESSEE RIVER, TENN., ALA. AND KY.	1,200						2,998
BIG SANDY RIVER, KY. AND W.VA.		4,181					
KANAWHA RIVER, W.VA.				1,417		3,636	
MONONGAMELA RIVER, PA. AND W.VA.						1,704	
MISSOURI RIVER							2,978
ILLINOIS RIVER, ILL.						2,751	2,987
LAKE MICHIGAN		583					
PORT OF CHICAGO, ILL.						9,016	
TOTAL, SHIPPING AREA	46,922	10,348	908	4,190	903	985,386	162,124
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON/ GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.,	8,464						
CALCASIEU RIVER AND PASS, LA.	10,710						
SABINE-NECHES WATERWAY, TEXAS						653	
GULF INTRACOASTAL WATERWAY: SABINE RIVER TO GALVESTON, TEXAS						1,349	
GALVESTON BAY, TEXAS	3,292					41,924	
GULF INTRACOASTAL WATERWAY: GALVESTON TO CORPUS CHRISTI, TEXAS							12,647
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,	12,113		2,083			11,120	
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,							16,588
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON	58,484	1,454				2,116	
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH	1,359		48,588			9,845	
TENNESSEE RIVER, TENN., ALA. AND KY.	1,271						
BIG SANDY RIVER, KY. AND W.VA.		16,614					
KANAWHA RIVER, W.VA.						18,281	
ILLINOIS RIVER, ILL.						2,674	
PORT OF CHICAGO, ILL.	5,363					5,189	
TOTAL, SHIPPING AREA	101,056	18,068	46,671			122,386	
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH/ GALVESTON BAY, TEXAS	10,863	3,987					
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER	106,394					1,448	
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES		3,186					
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,	2,458	4,472	1,175			1,569	21,732
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,				1,444			
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER					8,659		
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER		2,920			3,600	4,200	
ARKANSAS RIVER, ARK.		2,788				4,200	
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE			4,984		43,963		
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON	15,305		6,427	1,400			
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH		14,000				2,872	
TENNESSEE RIVER, TENN., ALA. AND KY.	13,588						1,758
BIG SANDY RIVER, KY. AND W.VA.						1,400	
KANAWHA RIVER, W.VA.					32,909		
MONONGAMELA RIVER, PA. AND W.VA.	4,961				31,758		
PORT OF CHICAGO, ILL.	2,624				13,913		
TOTAL, SHIPPING AREA	156,193	31,353	12,586	2,844	154,802	15,689	23,490

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

83

TABLE 6--DOMESTIC INLAND MOVEMENTS OF CHEMICALS AND RELATED PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	COAL TAR (CODE 2811)	BENZENE AND TOLUENE (CODE 2817)	SULPHURIC ACID (CODE 2818)	ALCOHOLS (CODE 2813)	SODIUM HYDROXIDE (CAUSTIC SODA) (CODE 2810)	CHEMICALS AND CHEMICAL SPECIALTIES (CODES 2814, 2819, 2821, 2876)	FERTILIZERS AND FERTILIZER MATERIALS (CODES 1471, 1479, 2871, 2872, 2873, 2879)
TENNESSEE RIVER, TENN., ALA. AND KY./							
WARRIOR RIVER SYSTEM							2,900
CALCASIEU RIVER AND PASS, LA.					36,988		
GALVESTON BAY, TEXAS	8,443				1,409	12,014	
GULF INTRACOASTAL WATERWAY: GALVESTON TO CORPUS CHRISTI, TEXAS	10,022						
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.						20,930	
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.							11,675
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER					30,537		67,975
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER					2,768	7,000	10,264
ARKANSAS RIVER, ARK.							3,000
WHITE RIVER, ARK.							2,998
HOLF RIVER, TENN.					23,348		
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE					37,008	4,225	34,819
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH					1,400		
TENNESSEE RIVER, TENN., ALA. AND KY.			5,430		27,676	982	1,510
MONONGAMELA RIVER, PA. AND W.VA.					2,836		
MISSOURI RIVER					1,200		11,564
ILLINOIS RIVER, ILL.							13,586
MINNESOTA RIVER, MINN.							4,655
LAKE MICHIGAN						2,906	9,916
PORT OF CHICAGO, ILL.					42,346	6,351	
TOTAL, SHIPPING AREA	18,465		5,430		207,536	54,320	174,862
CUMBERLAND RIVER, TENN. AND KY./							
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES							26,248
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.			1,198				
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER							1,515
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON						2,294	
TENNESSEE RIVER, TENN., ALA. AND KY.			30,723				
TOTAL, SHIPPING AREA			31,921			2,294	27,763
BIG SANDY RIVER, KY. AND W.VA./							
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	5,169	1,336					
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE	7,187	16,521					
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON		41,718				143,408	
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH	5,849	15,165					
PORT OF CHICAGO, ILL.	5,238	1,382					
TOTAL, SHIPPING AREA	23,443	76,122				143,408	
KANAWHA RIVER, W.VA./							
WARRIOR RIVER SYSTEM						15,854	
GALVESTON BAY, TEXAS				3,897		48,860	
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES						2,025	
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.						1,476	
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER							2,211
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE						4,121	
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON						1,852	
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH						4,751	
KANAWHA RIVER, W.VA.						42,186	
ALLEGHENY RIVER, PA.				2,047		8,507	
ILLINOIS RIVER, ILL.						11,415	
PORT OF CHICAGO, ILL.						35,584	
TOTAL, SHIPPING AREA				5,944		178,642	
MONONGAMELA RIVER, PA. AND W.VA./							
GALVESTON BAY, TEXAS	3,464						
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	5,617						19,606
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON	26,390						
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH	21,524	32,164					
TENNESSEE RIVER, TENN., ALA. AND KY.							1,889
BIG SANDY RIVER, KY. AND W.VA.		1,400					
MONONGAMELA RIVER, PA. AND W.VA.	1,400						
TOTAL, SHIPPING AREA	58,395	33,564					21,495
ALLEGHENY RIVER, PA./							
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.							4,528
MISSOURI RIVER/ ARKANSAS RIVER, ARK.							3,153
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE							4,095
BIG SANDY RIVER, KY. AND W.VA.							18,736

## Waterborne Commerce of the United States, 1986

TABLE 6--DOMESTIC INLAND MOVEMENTS OF CHEMICALS AND RELATED PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	COAL TAR (CODE 2811)	BENZENE AND TOLUENE (CODE 2817)	SULPHURIC ACID (CODE 2818)	ALCOHOLS (CODE 2813)	SODIUM HYDROXIDE (CAUSTIC SODA) (CODE 2810)	CHEMICALS AND CHEMICAL SPECIALTIES (CODES 2816, 2819, 2821, 2876)	FERTILIZERS AND FERTILIZER MATERIALS (CODES 1471, 1479, 2871, 2872, 2873, 2879)
MISSOURI RIVER-----							59,696
TOTAL, SHIPPING AREA-----							85,680
ILLINOIS RIVER, ILL./							
WARRIOR RIVER SYSTEM-----				3,315			
GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----							2,896
HERMENTAU RIVER, BAYOU MEZPIQUE AND BAYOU DES CANNES, LA.-----				1,470			
GALVESTON BAY, TEXAS-----	5,474	8,160		1,373	6,923		
GULF INTRACOASTAL WATERWAY: GALVESTON TO CORPUS CHRISTI, TEXAS-----	1,360					9,424	
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES-----				1,396			
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----				1,338			6,184
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----				7,543			9,770
ARKANSAS RIVER, ARK.-----				1,381			1,498
WOLF RIVER, TENN.-----				25,383		899	
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE-----				171,760		1,551	2,219
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH-----				22,266			
TENNESSEE RIVER, TENN., ALA. AND KY.-----				1,400			1,479
CUMBERLAND RIVER, TENN. AND KY.-----				6,660			2,921
KANAWHA RIVER, W.VA.-----						1,432	14,245
MISSOURI RIVER-----				1,718			6,039
ILLINOIS RIVER, ILL.-----				75,277			55,287
LAKE MICHIGAN-----				6,971			32,249
PORT OF CHICAGO, ILL.-----				62,333		13,086	
TOTAL, SHIPPING AREA-----	6,834	8,160		391,384	6,923	25,992	134,787
LAKE MICHIGAN/							
GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----							1,870
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----							16,069
CUMBERLAND RIVER, TENN. AND KY.-----							6,057
TOTAL, SHIPPING AREA-----							24,826
PORT OF CHICAGO, ILL./							
WARRIOR RIVER SYSTEM-----				1,426			
SABINE-NECHES WATERWAY, TEXAS-----		1,479				1,400	
GALVESTON BAY, TEXAS-----	4,161	2,876			3,305	904	
GULF INTRACOASTAL WATERWAY: GALVESTON TO CORPUS CHRISTI, TEXAS-----	12,846					4,140	
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	15,791						
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	8,474	18,077	1,597			7,190	
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----				1,018			
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----		13,160					
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE-----						1,398	
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH-----	30,966	2,754				4,188	
TENNESSEE RIVER, TENN., ALA. AND KY.-----	1,231						
CUMBERLAND RIVER, TENN. AND KY.-----							1,400
KANAWHA RIVER, W.VA.-----						3,486	
MISSOURI RIVER-----						3,778	
ILLINOIS RIVER, ILL.-----	10,848					13,956	
PORT OF CHICAGO, ILL.-----	27,812	42,805		7,197	4,038	141,825	
TOTAL, SHIPPING AREA-----	112,129	81,151	1,597	10,041	12,343	181,825	1,400
LOS ANGELES AND LONG BEACH HARBORS, CALIF./							
LOS ANGELES AND LONG BEACH HARBORS, CALIF.-----						10	
SAN FRANCISCO BAY AREA/							
SAN FRANCISCO BAY AREA-----	10,519	3,012					
COLUMBIA RIVER: VANCOUVER, WASH., TO THE MOUTH/							
COLUMBIA RIVER: VANCOUVER, WASH., TO THE MOUTH-----							13,365
COLUMBIA RIVER: VANCOUVER, WASH., TO THE DALLES, OREG.-----							5,803
COLUMBIA RIVER: ABOVE CELILO FALLS TO KENNEWICK, WASH.-----						1,407	3,003
WILLAMETTE AND YAMHILL RIVERS, OREG.-----					9,800		
SNAKE RIVER, OREG., WASH. AND IDAHO-----						1,542	
TOTAL, SHIPPING AREA-----					9,800	2,949	22,171
COLUMBIA RIVER: VANCOUVER, WASH., TO THE DALLES, OREG./							
COLUMBIA RIVER: ABOVE CELILO FALLS TO KENNEWICK, WASH.-----						287	13,454
SNAKE RIVER, OREG., WASH. AND IDAHO-----						938	
TOTAL, SHIPPING AREA-----						1,225	13,454

## DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

85

TABLE 6--DOMESTIC INLAND MOVEMENTS OF CHEMICALS AND RELATED PRODUCTS--CONTINUED  
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	COAL TAR (CODE 2811)	BENZENE AND TOLUENE (CODE 2817)	SULPHURIC ACID (CODE 2818)	ALCOHOLS (CODE 2813)	SODIUM HYDROXIDE (CAUSTIC SODA) (CODE 2810)	CHEMICALS AND CHEMICAL SPECIALTIES (CODES 2816, 2819, 2821, 2876)	FERTILIZERS AND FERTILIZER MATERIALS (CODES 1471, 1479, 2871, 2872, 2873, 2879)
COLUMBIA RIVER <sup>1</sup> ABOVE CELILO FALLS TO KENNEWICK, WASH./							
COLUMBIA RIVER <sup>1</sup> VANCOUVER, WASH., TO THE MOUTH-----							8,831
COLUMBIA RIVER <sup>1</sup> VANCOUVER, WASH., TO THE DALLES, OREG.-----							5,109
COLUMBIA RIVER <sup>1</sup> ABOVE CELILO FALLS TO KENNEWICK, WASH.-----							33,127
SNAKE RIVER, OREG., WASH, AND IDAHO-----							905
TOTAL, SHIPPING AREA-----							47,972
WILLAMETTE AND YAMHILL RIVERS, OREG./							
COLUMBIA RIVER <sup>1</sup> ABOVE CELILO FALLS TO KENNEWICK, WASH.-----						131,998	
WILLAMETTE AND YAMHILL RIVERS, OREG.-----					7,245		
SNAKE RIVER, OREG., WASH, AND IDAHO-----							2,518
TOTAL, SHIPPING AREA-----					7,245	131,998	2,518
SNAKE RIVER, OREG., WASH, AND IDAHO/ COLUMBIA RIVER <sup>1</sup> ABOVE CELILO FALLS TO KENNEWICK, WASH.-----							400
PUGET SOUND AND TRIBUTARY WATERS/ PUGET SOUND AND TRIBUTARY WATERS-----					93,891		
LOWER & UPPER SOUTHEAST ALASKA/ LOWER & UPPER SOUTHEAST ALASKA-----						150	104

---

---

Section 3  
WATER CARRIAGE TON-MILES

---

---

# WATER CARRIAGE TON-MILES

89

TABLE 1--TOTAL COMMERCE<sup>1</sup> TON-MILES AND TONS BY TYPE OF TRAFFIC AND AVERAGE HAUL  
CALENDAR YEARS 1977-1986  
(IN THOUSANDS)

	TOTAL, FOREIGN AND DOMESTIC	FOREIGN			DOMESTIC				
		TOTAL	GREAT LAKES PORTS	COASTAL PORTS	TOTAL	COASTWISE	LAKEWISE	INTERNAL	LOCAL
TON-MILES <sup>1</sup>									
1986-----	944,910,475	71,509,435	* 24,235,272	** 47,274,163	873,401,040	580,888,675	43,198,187	248,116,902	1,197,276
1985-----	964,911,185	71,941,211	* 27,171,821	** 44,769,390	892,969,974	610,976,503	48,183,952	232,707,523	1,101,996
1984-----	966,478,243	78,758,224	* 32,249,380	** 46,508,844	887,720,019	593,923,081	49,784,434	242,855,408	1,157,096
1983-----	989,151,626	69,596,038	* 24,309,364	** 45,286,674	919,565,588	649,749,453	43,088,156	225,628,298	1,099,681
1982-----	964,896,925	78,428,221	* 27,165,490	** 51,262,731	886,468,704	632,707,073	35,623,255	217,026,688	1,111,688
1981-----	1,023,636,494	94,223,138	* 35,291,982	** 58,929,156	929,413,356	634,765,277	62,148,380	231,184,111	1,315,588
1980-----	1,016,855,181	94,249,417	* 33,679,592	** 60,569,825	921,635,764	631,149,247	61,747,114	227,342,991	1,596,412
1979-----	931,846,381	103,086,891	* 43,146,432	** 59,940,459	828,759,490	532,290,272	77,968,769	217,090,226	1,410,223
1978-----	928,297,656	101,034,394	* 42,108,783	** 58,925,611	827,263,262	540,373,236	76,284,040	209,266,160	1,339,826
1977-----	692,527,420	93,527,384	* 37,734,279	** 55,793,105	599,000,036	343,536,591	52,416,921	201,784,225	1,262,299
TONS <sup>1</sup>									
1986-----	# 1,870,458	837,223	45,829	791,394	1,033,235	308,025	87,353	560,499	77,358
1985-----	# 1,785,033	774,323	51,320	723,003	1,010,710	309,802	91,987	534,658	74,263
1984-----	# 1,832,614	803,338	58,774	744,564	1,029,276	307,652	98,010	542,503	81,111
1983-----	# 1,704,501	751,140	48,411	702,729	953,361	309,637	83,447	487,132	73,145
1982-----	# 1,773,929	819,731	50,395	769,336	954,198	311,058	72,085	495,453	75,602
1981-----	# 1,938,428	887,102	63,210	823,892	1,051,326	321,990	115,418	520,668	93,250
1980-----	# 1,995,300	921,404	60,592	860,812	1,073,896	329,609	115,124	534,979	94,184
1979-----	# 2,069,757	993,445	73,760	919,685	1,076,312	304,666	143,564	534,969	93,114
1978-----	# 2,018,079	946,057	70,600	875,457	1,072,022	305,343	142,663	534,509	89,507
1977-----	# 1,904,569	935,257	69,164	866,093	969,312	248,083	109,080	528,705	83,444
AVERAGE HAUL <sup>1</sup> (MILES PER TON)									
1986-----	505.2	85.4	528.8	59.7	845.3	1,885.9	494.5	442.7	15.5
1985-----	540.5	92.9	529.5	61.9	883.5	1,972.2	523.8	435.2	14.8
1984-----	527.4	98.4	548.7	62.5	862.5	1,930.5	508.0	448.0	14.3
1983-----	580.3	92.7	502.1	64.4	964.6	2,098.4	516.4	463.2	15.0
1982-----	543.9	95.7	539.1	66.6	929.0	2,034.0	494.2	438.0	14.7
1981-----	528.1	106.2	558.4	71.5	884.0	1,971.4	538.5	444.0	14.1
1980-----	509.2	102.3	555.8	70.4	856.4	1,914.8	536.4	405.0	16.9
1979-----	450.2	103.8	585.0	65.2	770.0	1,747.1	543.1	405.8	15.1
1978-----	459.9	106.8	596.4	67.3	771.6	1,769.7	534.7	391.5	14.9
1977-----	363.6	100.0	545.6	64.4	618.0	1,384.8	480.5	381.7	15.1

\* BASED ON DISTANCES TRANSPORTED ON GREAT LAKES AND ST. LAWRENCE RIVER TO INTERNATIONAL BOUNDARY AT ST. REGIS, QUEBEC, CANADA.

\*\* BASED ON DISTANCES TRANSPORTED ON UNITED STATES WATERWAYS FROM ENTRANCE CHANNELS TO PORTS AND WATERWAYS.

# EXCLUDES INTRATERRITORY TRAFFIC FOR WHICH TON-MILES WERE NOT COMPILED: 1986, 3,959 THOUSAND TONS; 1985, 3,401 THOUSAND TONS; 1984, 3,406 THOUSAND TONS; 1983, 3,160 THOUSAND TONS; 1982, 2,811 THOUSAND TONS; 1981, 3,130 THOUSAND TONS; 1980, 3,588 THOUSAND TONS; 1979, 4,001 THOUSAND TONS; 1978, 3,271 THOUSAND TONS; 1977, 3,654 THOUSAND TONS.

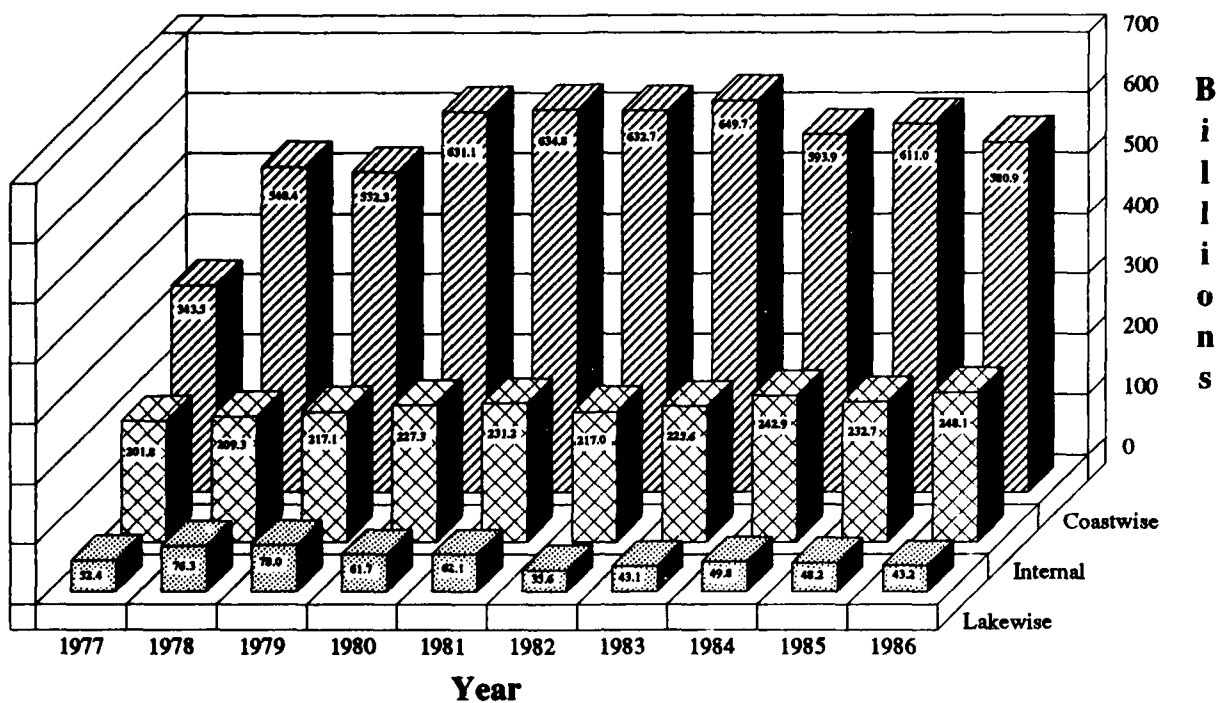
TABLE 2--DOMESTIC TON-MILES TYPE OF TRAFFIC BY SERVICE

CALENDAR YEAR 1986

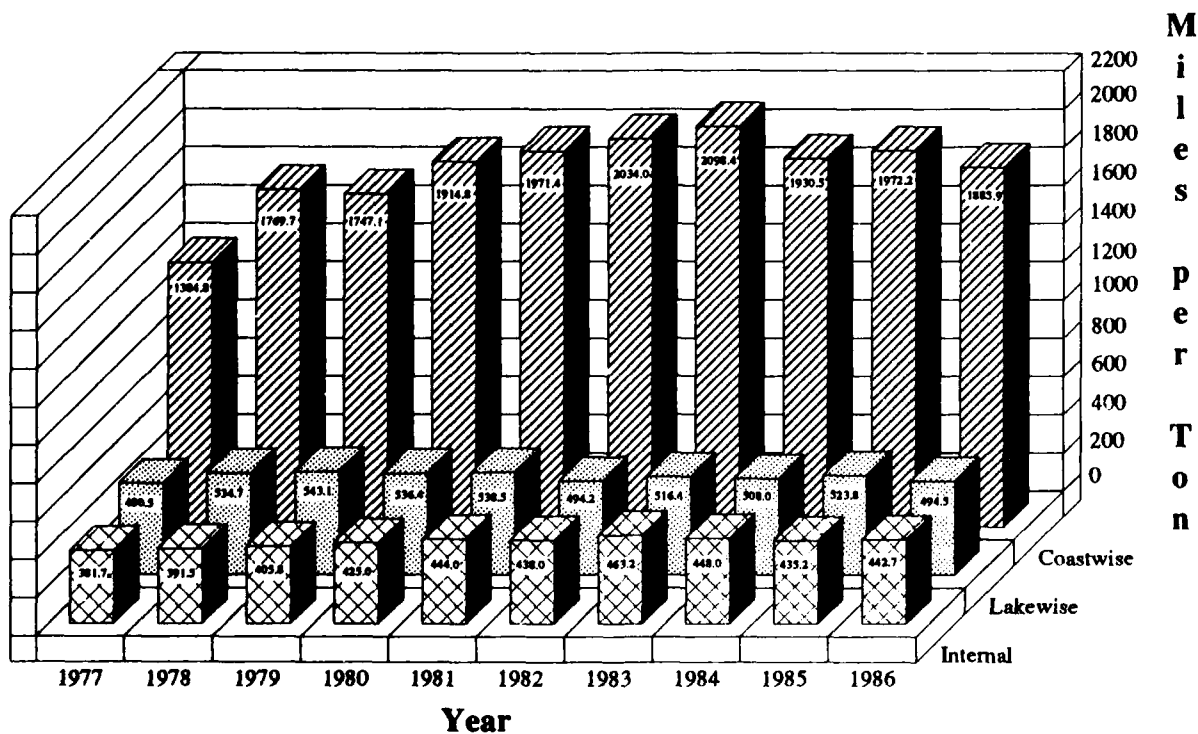
(IN THOUSANDS)

TYPE OF TRAFFIC	TOTAL			REGULATED			EXEMPT, FOR HIRE			PRIVATE		
	TON-MILES	PERCENT OF		TON-MILES	PERCENT OF		TON-MILES	PERCENT OF		TON-MILES	PERCENT OF	
		TOTAL, DOMESTIC TRAFFIC			TOTAL, DOMESTIC TRAFFIC			TOTAL, DOMESTIC TRAFFIC			TOTAL, DOMESTIC TRAFFIC	
COASTWISE-----	580,888,675	66.6	100.0	6,668,067	26.1	1.1	377,421,848	60.7	65.0	196,798,760	87.0	33.9
LAKEWISE-----	43,198,187	4.9	100.0	615,786	2.4	1.4	34,742,963	5.6	80.4	7,839,438	3.5	18.2
INTERNAL-----	248,116,902	28.4	100.0	18,209,790	71.4	7.3	208,676,996	33.6	84.1	21,230,116	9.4	8.6
LOCAL-----	1,197,276	0.1	100.0	24,611	0.1	2.1	913,933	0.1	76.3	258,732	0.1	21.6
TOTAL DOMESTIC--	873,401,040	100.0	100.0	25,518,254	100.0	2.9	621,755,740	100.0	71.2	226,127,046	100.0	25.9

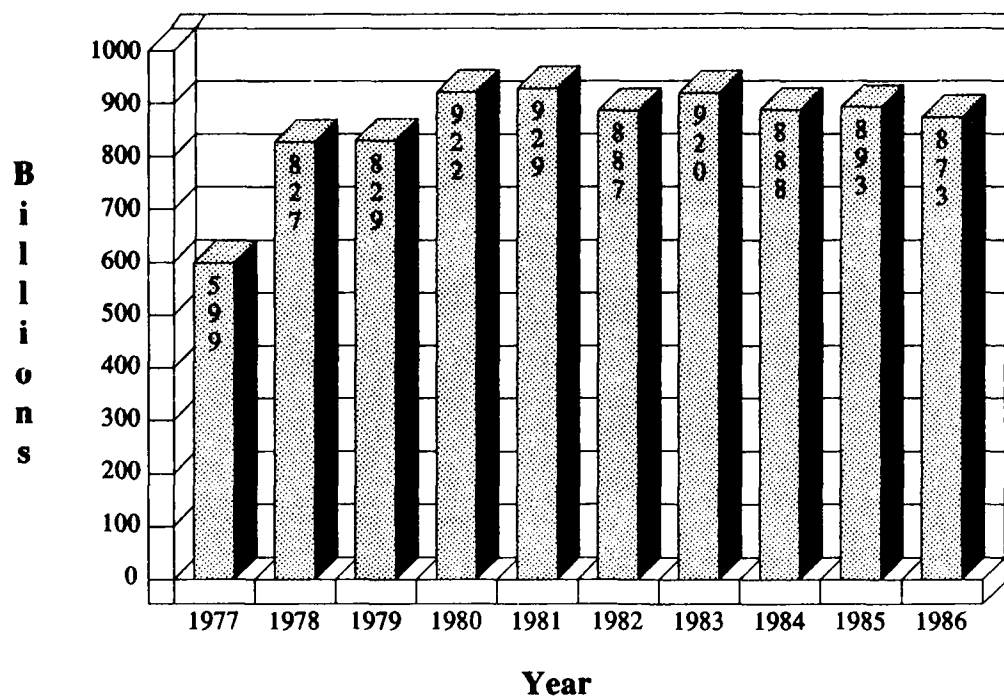
## Ton-Miles Domestic Commerce 1977 - 1986



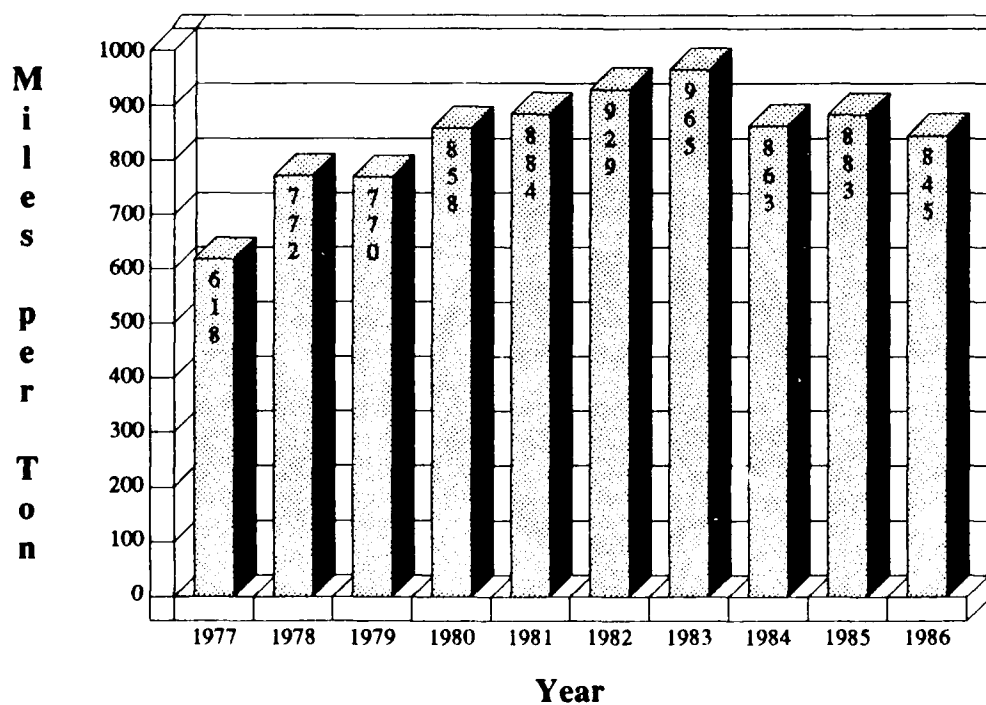
## Average Haul Domestic Commerce 1977 - 1986



## Total Ton-Miles Domestic Commerce 1977 - 1986



## Total Average Haul Domestic Commerce 1977 - 1986





# WATER CARRIAGE TON-MILES

CHART 2 - DOMESTIC TON-MILES BY TYPE OF SERVICE, 1986  
873.4 BILLION TON-MILES

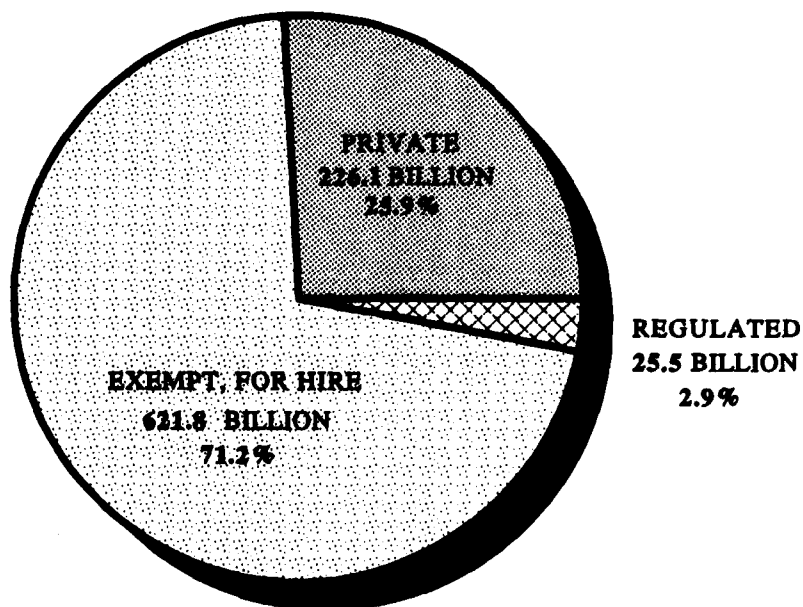


CHART 3 - DOMESTIC TON-MILES BY TYPE OF SERVICE  
BY TYPE OF TRAFFIC, 1986

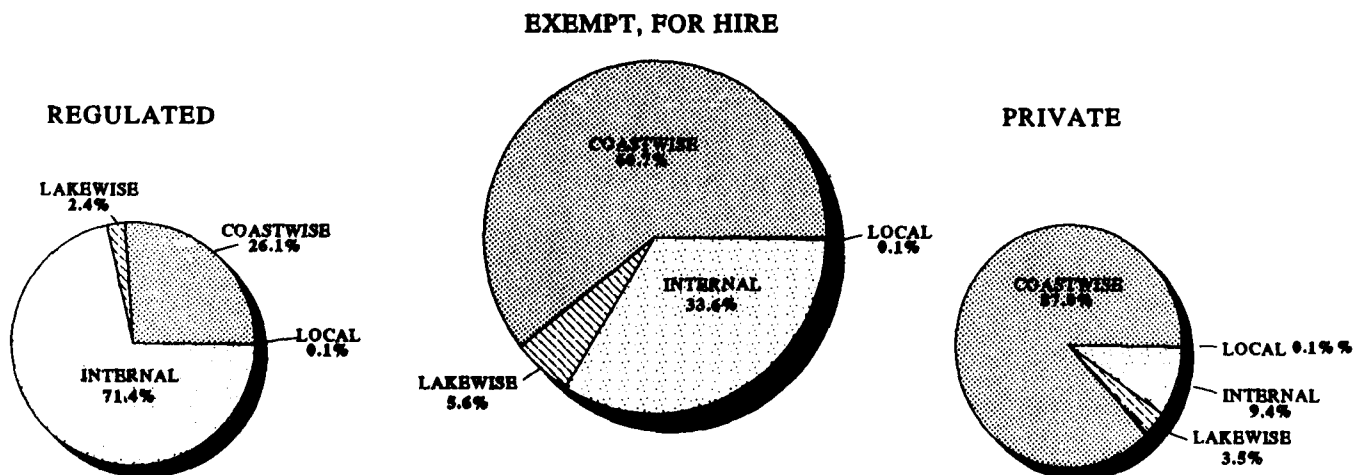


TABLE 3--DOMESTIC TRAFFIC TONS AND TON-MILES OF PRINCIPAL COMMODITY GROUPS BY TYPE OF TRAFFIC AND SERVICE CALENDAR YEAR 1986  
(IN THOUSANDS)

TYPE OF TRAFFIC AND COMMODITY GROUP	TOTAL			REGULATED			EXEMPT. FOR HIRE			PRIVATE		
	TON-MILES	TONS	AVERAGE MAUL (MILES PER TON)	TON-MILES	TONS	AVERAGE MAUL (MILES PER TON)	TON-MILES	TONS	AVERAGE MAUL (MILES PER TON)	TON-MILES	TONS	AVERAGE MAUL (MILES PER TON)
<b>COASTWISE, TOTAL AND PRODUCTS</b>	580,889,675	308,025	1,885.9	6,668,067	5,812	1,147.2	377,421,848	195,072	1,934.8	196,790,768	107,140	1,834.0
PETROLEUM AND PRODUCTS	530,570,245	259,202	2,046.9	6,441,941	1,241	519.5	340,486,995	158,296	2,150.7	189,878,309	99,665	1,901.1
COAL AND COKE	5,419,088	9,800	548.0	325,648	427	762.2	4,891,661	9,089	536.2	201,779	378	548.0
IRON ORE AND IRON AND STEEL	265,731	222	1,197.2	1,197,2	54	1,260.1	1,958,699	124	1,577.8	1,920	44	43.7
SAND, GRAVEL, AND STONE	175,064	2,282	78.1	3,860	4	1,077.0	170,166	2,180	77.8	1,048	50	21.0
GRAINS	1,073,863	605	1,773.6	161,007	112	1,432.4	912,856	493	1,851.4	997,908	550	1,851.4
LOGS AND LUMBER	1,708,700	1,311	1,303.2	687,816	579	1,116.7	1,020,884	732	1,449.2	3,526,803	3,813	925.0
CHEMICALS AND RELATED PRODUCTS	18,450,539	15,496	1,190.6	604,941	302	2,002.0	18,316,755	11,381	1,258.1	1,258.1	1,258.1	1,258.1
SHELLS	747	747	1,546.6	747	747	1,546.6	1,546.6	1,546.6	1,546.6	1,546.6	1,546.6	1,546.6
ALL OTHERS	23,224,696	19,056	1,218.8	4,211,165	3,092	1,361.9	15,424,668	12,769	1,207.9	3,588,865	3,194	1,135.5
<b>LAKEWATER, TOTAL AND PRODUCTS</b>	43,198,187	87,353	494.5	615,786	1,145	537.8	34,702,963	66,841	504.7	7,039,418	17,366	451.4
PETROLEUM AND PRODUCTS	36,277,973	12,105	281.9	531,106	2	26.7	35,846,867	1,540	235.1	192,719	560	344.4
COAL AND COKE	9,728,982	17,912	488.9	25,723	37	703.1	9,603,264	18,926	515.4	262,388	489	541.1
IRON ORE AND IRON AND STEEL	28,699,220	40,811	810.1	465,323	580	802.4	18,284,901	31,322	615.7	5,168,998	8,909	578.0
SAND, GRAVEL, AND STONE	5,422,390	17,808	304.5	19,395	57	342.7	4,524,016	14,976	300.1	878,979	2,776	316.7
GRAINS	747,712	757	987.2	86,014	66	948.5	514,548	520	992.4	151,134	151	992.4
LOGS AND LUMBER	933	13	60.6	933	13	60.6	933	13	60.6	933	13	60.6
CHEMICALS AND RELATED PRODUCTS	57,274	226	253.9	955	16	60.9	37,675	181	208.0	18,649	29	648.0
SHELLS	1,790,865	5,718	313.2	21,192	352	60.2	503,112	1,073	311.4	1,186,581	3,493	339.7
ALL OTHERS	288,116,902	560,499	442.7	18,209,790	21,402	850.8	208,676,996	432,376	482.6	21,230,116	106,721	198.9
<b>INTERNAL, TOTAL AND PRODUCTS</b>	36,277,973	12,105	281.9	531,106	2	26.7	35,846,867	1,540	235.1	192,719	560	344.4
PETROLEUM AND PRODUCTS	76,809,294	167,551	458.4	1,523,275	2,217	687.2	75,903,914	161,514	436.0	7,597,937	34,277	218.8
COAL AND COKE	11,442,912	11,637	983.3	5,207,591	5,485	956.4	6,197,748	5,684	1,090.4	611,502	1,269	482.0
IRON ORE AND IRON AND STEEL	7,748,494	57,536	134.6	978,178	1,390	703.5	3,803,601	21,866	174.0	37,573	508	73.9
SAND, GRAVEL, AND STONE	33,620,136	34,276	980.9	650,883	1,109	587.0	31,971,393	31,617	1,011.2	2,962,435	30,279	66.4
GRAINS	1,601,449	17,737	90.3	147,485	434	340.0	883,407	12,971	65.0	997,908	1,550	643.7
LOGS AND LUMBER	31,777,827	45,628	696.5	2,187,312	2,163	1,011.4	28,315,198	30,306	602.3	610,537	4,333	140.9
CHEMICALS AND RELATED PRODUCTS	650,973	4,156	156.6	8,156	13	60.9	92,422	427	217.1	558,351	3,730	149.7
SHELLS	48,191,844	75,023	642.4	2,221,028	3,076	573.0	43,192,092	57,531	758.8	2,778,728	13,616	204.1
<b>LOCAL, TOTAL AND PRODUCTS</b>	1,197,276	77,358	15.5	26,611	900	27.4	913,933	57,456	15.9	258,732	18,802	13.8
PETROLEUM AND PRODUCTS	672,091	49,661	13.5	11,210	756	14.8	580,667	42,290	13.7	60,814	6,607	12.2
COAL AND COKE	86,911	4,366	19.9	273	15	18.4	80,545	3,011	26.8	6,093	1,340	4.5
IRON ORE AND IRON AND STEEL	8,129	57	14.9	2,708	43	62.8	2,294	188	12.2	3,137	317	9.9
SAND, GRAVEL, AND STONE	121,568	7,650	15.9	1,023	6	169.1	72,703	2,491	27.8	48,865	4,959	9.9
GRAINS	3,843	57	66.9	1,023	6	169.1	2,601	48	54.5	219	2	54.5
LOGS AND LUMBER	98,204	3,791	25.9	8,438	67	129.2	90,191	3,787	25.9	14,110	1,015	13.9
CHEMICALS AND RELATED PRODUCTS	62,406	4,318	14.5	8,438	67	129.2	39,858	3,232	12.3	882	33	28.4
SHELLS	143,040	6,938	20.6	758	12	63.0	37,676	2,888	15.7	100,688	4,525	25.1
<b>DOMESTIC, TOTAL AND PRODUCTS</b>	873,401,040	1,033,234	805.3	25,518,254	29,359	872.1	621,755,740	753,945	826.7	258,127,866	250,020	988.4
PETROLEUM AND PRODUCTS	580,071,415	297,922	1,945.2	6,441,941	1,241	519.5	340,486,995	158,296	2,150.7	189,878,309	99,665	1,901.1
COAL AND COKE	52,043,976	20,718	251.2	3,256,448	5,485	956.4	48,916,661	9,089	536.2	201,779	378	548.0
IRON ORE AND IRON AND STEEL	36,615,992	52,217	698.0	5,748,494	6,122	810.1	35,846,867	18,926	515.4	5,168,998	8,909	578.0
SAND, GRAVEL, AND STONE	13,463,516	35,254	134.6	1,023	6	169.1	12,440,016	31,617	1,011.2	1,186,581	3,493	339.7
GRAINS	3,406,258	22,855	93.0	933	13	60.6	3,312,856	17,737	90.3	3,161,548	151	992.4
LOGS AND LUMBER	50,340,251	65,689	149.7	2,187,312	2,163	1,011.4	48,191,844	75,023	642.4	48,191,844	75,023	642.4
CHEMICALS AND RELATED PRODUCTS	652,882	4,107	155.9	8,156	13	60.9	650,973	4,156	156.6	650,973	4,156	156.6
SHELLS	73,350,447	106,735	687.2	2,221,028	3,076	573.0	70,129,419	90,191	25.9	70,129,419	90,191	25.9
ALL OTHERS	73,350,447	106,735	687.2	2,221,028	3,076	573.0	70,129,419	90,191	25.9	70,129,419	90,191	25.9

\* LESS THAN 500 TON-MILES.

TABLE 4--DOMESTIC TON-MILES COMMODITY BY SERVICE, CALENDAR YEAR 1986

(IN THOUSANDS)

COMMODITY	TOTAL	REGULATED	EXEMPT, FOR HIRE	PRIVATE
TOTAL-----	873,401,040	25,518,254	621,755,740	226,127,046
FARM PRODUCTS				
0101 COTTON, RAW-----	2,530	202	2,328	-----
0102 BARLEY AND RYE-----	161,677	13,406	147,737	534
0103 CORN-----	24,320,069	305,828	23,603,597	410,644
0104 OATS-----	251,225	36,570	211,444	3,211
0105 RICE-----	983,611	99,628	818,419	65,564
0106 SORGHUM GRAINS-----	1,773,534	47,889	1,543,744	181,941
0107 WHEAT-----	7,955,438	391,606	7,076,453	487,379
0111 SOYBEANS-----	18,761,520	292,362	17,507,990	961,168
0112 FLAXSEED-----	187	187	-----	-----
0119 OILSEEDS, NEC-----	27,016	15,149	11,867	-----
0121 TOBACCO, LEAF-----	1,936	1,786	152	-----
0122 HAY AND FODDER-----	5,679	257	5,422	-----
0129 FIELD CROPS, NEC-----	27,191	24,662	2,529	-----
0131 FRESH FRUITS-----	322,378	8,863	313,515	-----
0132 BANANAS AND PLANTAINS-----	15,344	66	15,278	-----
0133 COFFEE-----	79,491	74,005	5,886	-----
0134 COCOA BEANS-----	23,689	23,689	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	411,846	128,310	283,536	-----
0151 LIVE ANIMALS-----	14,066	2,135	11,931	-----
0161 ANIMALS AND PRODUCTS, NEC-----	53,660	4,979	48,681	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	62,093	564	61,529	-----
FOREST PRODUCTS				
0841 CRUDE RUBBER AND ALLIED GUMS-----	4,620	120	4,500	-----
0861 FOREST PRODUCTS, NEC-----	21,478	2,753	18,725	-----
FRESH FISH & OTHER MARINE PRODUCTS				
0911 FRESH FISH, EXCEPT SHELLFISH-----	65,708	53,049	3,633	9,026
0912 SHELLFISH, EXCEPT PREPARED-----	40,759	2,915	23,708	14,136
0913 MENHADEN-----	447	-----	-----	447
0931 MARINE SHELLS, UNMANUFACTURED-----	652,602	747	92,622	559,233
METALLIC ORES				
1011 IRON ORE AND CONCENTRATES-----	27,509,271	2,347,770	19,996,838	5,164,663
1021 COPPER ORE AND CONCENTRATES-----	79,609	1,425	78,184	-----
1051 ALUMINUM ORES, CONCENTRATES-----	285,680	26,528	258,334	818
1061 MANGANESE ORES, CONCENTRATES-----	210,233	114,078	96,155	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	546,731	16,569	527,778	2,384
COAL				
1121 COAL AND LIGNITE-----	87,962,593	4,873,508	82,011,750	1,077,335
CRUDE PETROLEUM				
1311 CRUDE PETROLEUM-----	413,625,881	114,335	271,536,188	141,975,358
NONMETALLIC MINERALS, EXCEPT FUELS				
1411 LIMESTONE-----	6,174,518	89,147	5,088,307	997,064
1412 BUILDING STONE, UNWORKED-----	535	480	55	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	7,271,936	900,577	3,477,100	2,894,259
1451 CLAY-----	206,730	23,376	172,195	11,159
1471 PHOSPHATE ROCK-----	5,140,790	-----	4,120,870	1,019,920
1479 NATURAL FERTILIZER MATS, NEC-----	8,848	-----	8,848	-----
1491 SALT-----	6,230,538	58,860	5,902,032	269,646
1492 SULPHUR, DRY-----	19,356	335	19,020	1
1493 SULPHUR, LIQUID-----	2,465,489	-----	1,845,817	619,672
1494 GYPSUM, CRUDE AND PLASTERS-----	619,594	24,632	572,327	22,635
1499 NONMETALLIC MINERALS, NEC-----	532,149	78,689	434,567	18,893
ORDNANCE & ACCESSORIES				
1911 ORDNANCE AND ACCESSORIES-----	1,051	253	798	-----
FOOD & KINDRED PRODUCTS				
2011 MEAT, FRESH, CHILLED, FROZEN-----	489,171	117,670	371,445	54
2012 MEAT AND PRODUCTS, NEC-----	24,723	15,674	9,049	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	180,926	957	172,077	7,892
2015 ANIMAL BY-PRODUCTS, NEC-----	7,175	1,814	5,361	-----
2021 DAIRY PRODUCTS, NEC-----	70,962	15,294	55,688	-----
2022 DRIED MILK AND CREAM-----	45,675	45,194	555	-----
2031 FISH AND SHELLFISH, PREPARED-----	268,440	123,743	141,783	2,913
2034 VEGETABLES AND PREP, NEC-----	295,417	56,510	238,907	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	719,373	40,863	678,430	80
2041 WHEAT FLOUR AND SEMOLINA-----	62,759	12,817	49,942	-----
2042 ANIMAL FEEDS-----	7,859,160	187,720	7,584,492	86,946
2049 GRAIN MILL PRODUCTS, NEC-----	5,284,874	92,982	4,884,784	507,108
2061 SUGAR-----	3,352,120	342,161	599,585	2,410,374
2062 MOLASSES-----	908,521	-----	868,477	40,044
2081 ALCOHOLIC BEVERAGES-----	507,065	98,608	408,457	-----
2091 VEGETABLE OILS, LONG, SHORT-----	953,486	9,131	839,500	14,855
2092 ANIMAL OILS AND FATS, NEC-----	7,738	137	7,218	383
2094 GROCERIES-----	720,013	20	719,787	206
2095 ICE-----	2,645	2	1,784	859
2099 MISCELLANEOUS FOOD PRODUCTS-----	1,468,722	107,541	1,353,138	8,043
TOBACCO PRODUCTS				
2111 TOBACCO MANUFACTURES-----	18,901	5,267	13,634	-----

## WATER CARRIAGE TON-MILES

95

TABLE 4--DOMESTIC TON-MILES COMMODITY BY SERVICE, CALENDAR YEAR 1986--CONTINUED

(IN THOUSANDS)

COMMODITY	TOTAL	REGULATED	EXEMPT, FOR HIRE	PRIVATE
BASIC TEXTILES				
2211 BASIC TEXTILE PRODUCTS-----	71,478	32,482	38,996	-----
2212 TEXTILE FIBERS, NEC-----	6,440	56	6,384	-----
APPAREL & OTHER FINISHED TEXTILE PRODUCTS, INCLUDING K&T				
2311 APPAREL-----	105,238	79,681	25,557	-----
LUMBER & WOOD PRDGS., EXC. FURNITURE				
2411 LOGS-----	97,965	4,925	41,824	51,216
2412 RAFTED LOGS-----	442,093	913	428,118	13,062
2413 FUEL WOOD, CHARCOAL, WASTES-----	56,302	91	30,403	5,808
2414 TIMBER, POSTS, POLES, PILING-----	41,670	4,306	36,654	710
2415 PULPWOOD, LOGS-----	524,551	1,710	37,804	485,037
2416 WOOD CHIPS, STAVES, HOLDINGS-----	505,205	60,687	390,110	54,408
2421 LUMBER-----	1,297,798	617,110	680,526	162
2431 VENEER, PLYWOOD, WORKED WOOD-----	217,482	75,839	141,643	-----
2491 WOOD MANUFACTURES, NEC-----	224,744	27,899	196,877	168
FURNITURE & FIXTURES				
2511 FURNITURE AND FIXTURES-----	267,214	8,421	258,792	1
PULP, PAPER & ALLIED PRODUCTS				
2611 PULP-----	137,140	44,365	92,775	-----
2621 STANDARD NEWSPRINT PAPER-----	104,277	9,676	94,601	-----
2631 PAPER AND PAPERBOARD-----	440,926	231,918	209,008	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	526,183	81,818	444,257	108
PRINTED MATTER				
2711 PRINTED MATTER-----	36,065	2,050	34,015	-----
CHEMICALS & ALLIED PRODUCTS				
2810 SODIUM HYDROXIDE-----	4,174,043	152,180	2,390,590	1,631,273
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	1,019,353	212,157	695,461	111,735
2812 DYES, PIGMENT, TANNING MATS-----	4,291	174	4,117	-----
2813 ALCOHOLS-----	4,043,358	651,556	2,795,955	595,847
2816 RADIOACTIVE MATERIALS, WASTES-----	2,003	5	1,998	-----
2817 BENZENE AND TOLUENE-----	1,693,060	163,866	1,121,826	407,368
2818 SULPHURIC ACID-----	336,013	31,362	61,469	243,182
2819 BASIC CHEMICALS AND PRD, NEC-----	19,063,011	1,005,751	15,144,679	2,912,381
2821 PLASTIC MATERIALS-----	107,081	53,708	53,373	-----
2822 SYNTHETIC RUBBER-----	14,788	1,213	13,575	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	1,570	103	1,467	-----
2831 DRUGS-----	28,900	13,734	15,166	-----
2841 SOAP-----	142,120	50,749	91,371	-----
2851 PAINTS-----	43,507	6,946	36,561	-----
2861 GUM AND WOOD CHEMICALS-----	466,398	81,996	384,402	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	5,545,328	91,551	5,190,343	265,434
2872 POTASSIC CHEM FERTILIZERS-----	1,098,458	18,996	1,063,000	16,462
2873 PHOSPHATIC CHEM FERTILIZERS-----	839,824	15,103	609,619	214,900
2876 INSECTICIDES, DISINFECTANTS-----	10,773	3,292	7,481	-----
2879 FERTILIZER AND MATERIALS, NEC-----	5,588,152	201,188	4,674,402	712,562
2891 MISCELLANEOUS CHEMICAL PRD-----	992,940	47,730	239,555	705,655
PETROLEUM & COAL PRODUCTS				
2911 GASOLINE-----	41,088,667	531,179	27,473,871	13,083,617
2912 JET FUEL-----	8,481,115	50,764	5,935,014	2,495,337
2913 KEROSENE-----	1,753,051	44,393	638,263	1,070,395
2914 DISTILLATE FUEL OIL-----	38,559,849	112,090	23,398,400	15,049,359
2915 RESIDUAL FUEL OIL-----	45,724,495	681,782	29,014,014	16,028,699
2916 LUBRICATING OILS AND GREASES-----	7,989,878	21,465	3,802,446	4,165,967
2917 NAPHTHA, PETROLEUM SOLVENTS-----	4,046,125	105,609	1,551,439	2,389,077
2918 ASPHALT, TAR, AND PITCHES-----	5,137,234	82,428	4,756,220	298,586
2920 COKE, PETROLEUM COKE-----	4,081,382	772,014	3,304,949	4,419
2921 LIQUEFIED GASES-----	610,888	472	103,465	506,951
2951 ASPHALT BUILDING MATERIALS-----	9,806	351	9,455	-----
2991 PETROLEUM AND COAL PRD, NEC-----	1,054,232	434,962	532,817	86,453
RUBBER & MISC. PLASTIC PRODUCTS				
3011 RUBBER AND MISC PLASTIC PRD-----	156,251	20,463	135,782	6
LEATHER & LEATHER PRODUCTS				
3111 LEATHER AND LEATHER PRODUCTS-----	20,923	5,969	14,954	-----
STONE, CLAY, GLASS, & CONCRETE PRD.				
3211 GLASS AND GLASS PRODUCTS-----	71,993	22,199	49,794	-----
3241 BUILDING CEMENT-----	3,867,432	74,067	1,692,034	2,101,331
3251 STRUCTURAL CLAY PRODUCTS-----	36,477	12,556	23,921	-----
3271 LIME-----	793,022	14,617	694,496	83,909
3281 CUT STONE AND STONE PRODUCTS-----	16,527	11,229	5,298	-----
3291 MISC NONMETALLIC MINERAL PRD-----	296,139	19,527	265,250	11,358
PRIMARY METAL PRODUCTS				
3311 PIG IRON-----	176,345	86,781	89,563	1
3312 SLAG-----	776,595	183,153	513,943	79,499
3314 IRON AND STEEL PRIMARY FORMS-----	1,537,712	632,507	905,205	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	2,157,001	655,187	1,501,548	266
3316 IRON AND STEEL PLATES, SHEETS-----	1,055,597	686,093	369,504	-----

TABLE 4--DOMESTIC TON-MILES COMMODITY BY SERVICE, CALENDAR YEAR 1986--CONTINUED

(IN THOUSANDS)

COMMODITY	TOTAL	REGULATED	EXEMPT, FOR HIRE	PRIVATE
PRIMARY METAL PRODUCTS (CONTINUED)				
3317 IRON AND STEEL PIPE AND TUBE-----	434,216	140,049	275,935	18,232
3318 FERROALLOYS-----	1,382,509	709,851	669,192	3,466
3319 IRON AND STEEL PRODUCTS, NEC-----	396,121	233,965	160,155	1
3321 NONFERROUS METALS, NEC-----	60,254	3,231	57,023	-----
3322 COPPER ALLOYS, UNWORKED-----	36,481	33,932	2,549	-----
3323 LEAD AND ZINC, UNWORKED-----	104,423	47,980	56,443	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	143,938	68,158	75,780	-----
FABRICATED METAL PRODUCTS, EXCEPT ORDNANCE, MACHINERY, & TRANS. EQUIP.				
3411 FABRICATED METAL PRODUCTS-----	817,987	132,659	684,454	874
MACHINERY, EXCEPT ELECTRICAL				
3511 MACHINERY, EXCEPT ELECTRICAL-----	632,832	63,963	550,919	17,950
ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES				
3611 ELECTRICAL MACH AND EQUIP-----	87,279	17,841	69,423	15
TRANSPORTATION EQUIPMENT				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	486,555	35,137	451,401	17
3721 AIRCRAFT AND PARTS-----	1,527	1,355	172	-----
3731 SHIPS AND BOATS-----	7,716	289	7,178	249
3791 MISC TRANSPORTATION EQUIPMENT-----	49,356	1,472	47,825	59
INSTRUMENTS, PHOTOGRAPHIC & OPTICAL GOODS, WATCHES & CLOCKS				
3811 INSTR, TIME, PHOTO, OPT GOODS-----	34,706	2,046	32,660	-----
MISC, PRODUCTS OF MANUFACTURING				
3911 MISC MANUFACTURED PRODUCTS-----	151,310	30,869	102,011	18,430
WASTE & SCRAP MATERIALS				
4011 IRON AND STEEL SCRAP-----	3,347,729	961,412	2,377,864	8,453
4012 NONFERROUS METAL SCRAP-----	20,000	4,983	15,017	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	967	444	523	-----
4024 PAPER WASTE AND SCRAP-----	3,727	3,547	180	-----
4029 WASTE AND SCRAP, NEC-----	648,076	9,331	428,821	209,924
SPECIAL ITEMS				
4111 WATER-----	42,852	541	15,186	27,125
4112 COMMODITIES, NEC-----	6,532,378	2,189,735	4,337,950	4,693
4113 LCL FREIGHT-----	11	-----	11	-----

TABLE 5--DOMESTIC TON-MILES COMMODITY BY TYPE OF TRAFFIC, CALENDAR YEAR 1986

(IN THOUSANDS)

COMMODITY	TOTAL	COASTWISE	LAKEWISE	INTERNAL	LOCAL
TOTAL-----	873,401,000	500,000,675	43,190,167	240,116,902	1,197,276
FARM PRODUCTS					
0101 COTTON, RAW-----	2,530	271	-----	2,259	-----
0102 BARLEY AND RYE-----	161,677	-----	-----	161,677	-----
0103 CORN-----	24,320,009	274,983	-----	24,043,201	1,885
0104 OATS-----	251,225	0,817	-----	242,408	-----
0105 RICE-----	983,611	401,485	-----	582,126	-----
0106 BORGHUM GRAINS-----	1,773,530	7,291	-----	1,766,233	-----
0107 WHEAT-----	7,955,430	301,207	747,712	6,904,481	1,956
0111 SOYBEANS-----	10,761,320	355	-----	10,758,097	2,264
0112 FLAXSEED-----	107	107	-----	-----	-----
0119 OILSEEDS, NEC-----	27,010	6,550	-----	20,466	-----
0121 TOBACCO, LEAF-----	1,936	1,936	-----	-----	-----
0122 HAY AND FODDER-----	5,679	1,040	-----	4,639	-----
0129 FIELD CROPS, NEC-----	27,191	320	-----	26,866	3
0131 FRESH FRUITS-----	322,370	322,371	7	-----	-----
0132 BANANAS AND PLANTAINS-----	15,344	15,344	-----	-----	-----
0133 COFFEE-----	79,091	79,091	-----	-----	-----
0134 COCOA BEANS-----	23,609	23,609	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	411,006	407,120	359	4,383	-----
0151 LIVE ANIMALS-----	14,066	14,066	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	53,660	10,930	-----	42,722	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	62,093	62,092	1	-----	-----
FOREST PRODUCTS					
0801 CRUDE RUBBER AND ALLIED GUMS-----	4,620	1,623	-----	2,997	-----
0861 FOREST PRODUCTS, NEC-----	21,470	21,470	-----	-----	-----
FRESH FISH & OTHER MARINE PRODUCTS					
0911 FRESH FISH, EXCEPT SHELLFISH-----	65,700	55,410	4	10,270	8
0912 SHELLFISH, EXCEPT PREPARED-----	40,779	15,793	-----	24,961	5
0913 MENHADEN-----	447	-----	-----	447	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	652,602	747	-----	650,973	682
METALLIC ORES					
1011 IRON ORE AND CONCENTRATES-----	27,509,271	20,503	24,090,262	2,502,414	10
1021 COPPER ORE AND CONCENTRATES-----	70,609	-----	-----	70,240	1,369
1031 ALUMINUM ORES, CONCENTRATES-----	205,600	-----	-----	205,600	-----
1061 MANGANESE ORES, CONCENTRATES-----	210,233	-----	-----	210,233	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	546,731	4,700	-----	542,022	9
COAL					
1121 COAL AND LIGNITE-----	67,962,593	5,410,969	9,664,576	72,022,917	56,131
CRUDE PETROLEUM					
1311 CRUDE PETROLEUM-----	413,625,001	407,301,000	-----	6,175,219	69,662
NONMETALLIC MINERALS, EXCEPT FUELS					
1411 LIMESTONE-----	6,174,510	1,025	5,234,900	936,445	2,060
1412 BUILDING STONE, UNWORKED-----	335	335	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	7,271,936	167,772	187,360	6,797,208	119,500
1451 CLAY-----	206,730	6,090	6,703	192,130	1,799
1471 PHOSPHATE ROCK-----	5,140,700	5,109,400	-----	31,310	-----
1479 NATURAL FERTILIZER MATS, NEC-----	8,040	-----	-----	8,040	-----
1491 SALT-----	6,230,530	170,100	360,611	5,695,787	-----
1492 SULPHUR, DRY-----	19,356	17,774	-----	1,580	-----
1493 SULPHUR, LIQUID-----	2,403,409	2,164,239	-----	237,130	4,120
1494 GYPSUM, CRUDE AND PLASTERS-----	619,594	17,564	342,771	257,951	1,300
1499 NONMETALLIC MINERALS, NEC-----	532,149	21,364	2	500,629	2,154
ORDNANCE & ACCESSORIES					
1911 ORDNANCE AND ACCESSORIES-----	1,051	350	-----	693	-----
FOOD & KINDRED PRODUCTS					
2011 MEAT, FRESH, CHILLED, FROZEN-----	409,171	409,156	15	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	24,723	24,723	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	180,926	22,021	-----	158,905	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	7,175	3,993	-----	3,180	-----
2021 DAIRY PRODUCTS, NEC-----	70,902	70,724	256	-----	-----
2022 DRIED MILK AND CREAM-----	45,675	45,675	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	260,440	265,523	2,913	4	-----
2034 VEGETABLES AND PREP, NEC-----	295,417	291,091	99	4,227	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	719,373	710,350	-----	1,023	-----
2041 WHEAT FLOUR AND SEMOLINA-----	62,759	40,368	-----	22,391	-----
2042 ANIMAL FEEDS-----	7,059,100	257,603	176	7,598,325	3,056
2049 GRAIN MILL PRODUCTS, NEC-----	5,284,074	145,310	-----	5,139,364	-----
2061 SUGAR-----	3,352,120	3,120,355	-----	231,765	-----
2062 MOLASSES-----	908,521	476,550	-----	431,952	411
2081 ALCOHOLIC BEVERAGES-----	507,065	505,393	-----	1,470	2
2091 VEGETABLE OILS, NARC, SHORT-----	933,406	129,671	-----	823,119	696
2092 ANIMAL OILS AND FATS, NEC-----	7,730	137	-----	7,210	303
2094 GROCERIES-----	720,013	710,077	0	126	2
2095 ICE-----	2,645	-----	2	2,630	5
2099 MISCELLANEOUS FOOD PRODUCTS-----	1,400,722	1,443,955	99	24,564	104
TOBACCO PRODUCTS					
2111 TOBACCO MANUFACTURES-----	10,901	10,901	-----	-----	-----

# Waterborne Commerce of the United States, 1986

TABLE S--DOMESTIC TON-MILES COMMODITY BY TYPE OF TRAFFIC, CALENDAR YEAR 1986--CONTINUED

(IN THOUSANDS)					
COMMODITY	TOTAL	COASTWISE	LAKESWIDE	INTERNAL	LOCAL
BASIC TEXTILES					
2211 BASIC TEXTILE PRODUCTS-----	71,478	50,993	-----	20,485	-----
2212 TEXTILE FIBERS, NEC-----	6,440	1,518	-----	5,122	-----
APPAREL & OTHER FINISHED TEXTILE PRODUCTS, INCLUDING KNIT					
2311 APPAREL-----	105,238	105,238	-----	-----	-----
LUMBER & WOOD PRODS., EXC. FURNITURE					
2411 LOGS-----	97,963	7,532	1	90,430	2
2412 RAFTED LOGS-----	442,093	-----	-----	346,371	95,722
2413 FUEL WOOD, CHARCOAL, WASTES-----	36,302	20,026	-----	15,476	-----
2414 TIMBER, POSTS, POLES, PILING-----	41,670	34,143	-----	7,516	11
2415 PULPMOOD, LOG-----	524,551	6,003	102	518,366	-----
2416 WOOD CHIPS, STAVES, HOLDINGS-----	505,205	-----	-----	502,744	2,461
2421 LUMBER-----	1,297,798	1,259,474	231	38,087	6
2431 VENEER, PLYWOOD, WORKED WOOD-----	217,482	135,259	127	82,096	-----
2491 WOOD MANUFACTURES, NEC-----	224,744	223,985	392	363	4
FURNITURE & FIXTURES					
2511 FURNITURE AND FIXTURES-----	267,214	267,179	1	33	1
PULP, PAPER & ALLIED PRODUCTS					
2611 PULP-----	137,140	66,447	1,119	69,572	2
2621 STANDARD NEWSPRINT PAPER-----	104,277	29,922	352	74,003	-----
2631 PAPER AND PAPERBOARD-----	440,926	217,862	6,227	216,837	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	526,183	446,632	-----	79,515	36
PRINTED MATTER					
2711 PRINTED MATTER-----	36,065	36,065	-----	-----	-----
CHEMICALS & ALLIED PRODUCTS					
2810 SODIUM HYDROXIDE-----	4,174,043	1,542,257	4,563	2,624,022	3,201
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	1,019,353	81,069	-----	933,644	4,640
2812 DYES, PIGMENT, TANNING MATS-----	4,291	4,291	-----	-----	-----
2813 ALCOHOLS-----	4,043,350	1,088,524	-----	2,948,129	6,705
2816 RADIOACTIVE MATERIALS, WASTES-----	2,003	2,003	-----	-----	-----
2817 BENZENE AND TOLUENE-----	1,693,060	545,146	18,667	1,106,637	22,610
2818 SULPHURIC ACID-----	336,013	30,022	-----	302,297	3,694
2819 BASIC CHEMICALS AND PROD, NEC-----	19,063,011	6,546,255	22,767	12,475,528	18,461
2821 PLASTIC MATERIALS-----	107,081	93,779	-----	13,302	-----
2822 SYNTHETIC RUBBER-----	14,788	1,398	141	13,249	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	1,570	1,570	-----	-----	-----
2831 DRUGS-----	28,900	28,900	-----	-----	-----
2841 SOAP-----	142,120	140,161	-----	1,959	-----
2851 PAINTS-----	43,507	43,503	-----	4	-----
2861 GUM AND WOOD CHEMICALS-----	466,596	452,835	111	12,574	878
2871 NITROGENOUS CHEM FERTILIZERS-----	5,545,328	899,281	10,833	4,633,768	1,446
2872 POTASSIUM CHEM FERTILIZERS-----	1,098,458	109,294	94	988,673	395
2873 PHOSPHATIC CHEM FERTILIZERS-----	839,824	244,426	5	595,359	34
2876 INSECTICIDES, DISINFECTANTS-----	10,773	10,697	-----	76	-----
2879 FERTILIZER AND MATERIALS, NEC-----	5,588,152	816,418	-----	4,771,223	511
2891 MISCELLANEOUS CHEMICAL PROD-----	992,940	662,196	239	330,474	31
PETROLEUM & COAL PRODUCTS					
2911 GASOLINE-----	41,088,667	32,158,566	220,438	8,535,191	174,472
2912 JET FUEL-----	8,481,115	6,718,353	48,962	1,708,494	5,306
2913 KEROSENE-----	1,753,051	1,485,622	941	260,118	6,370
2914 DISTILLATE FUEL OIL-----	38,559,849	34,302,127	89,150	3,980,928	187,844
2915 RESIDUAL FUEL OIL-----	45,724,495	37,538,364	60,407	7,924,832	200,892
2916 LUBRICATING OILS AND GREASES-----	7,989,878	5,769,026	970	2,216,765	3,117
2917 NAPHTHA, PETROLEUM SOLVENTS-----	4,046,125	2,444,230	513	1,591,959	9,423
2918 ASPHALT, TAR, AND BITUMENS-----	5,137,234	1,735,859	129,717	3,263,212	8,446
2920 COKE, PETROLEUM COKE-----	4,081,382	119	64,106	3,986,377	30,780
2921 LIQUEFIED GASES-----	610,888	194,881	8	415,095	904
2951 ASPHALT BUILDING MATERIALS-----	9,806	9,806	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	1,054,232	842,217	-----	206,160	5,855
RUBBER & MISC. PLASTIC PRODUCTS					
3011 RUBBER AND MISC PLASTIC PROD-----	156,251	155,528	577	146	-----
LEATHER & LEATHER PRODUCTS					
3111 LEATHER AND LEATHER PRODUCTS-----	20,923	20,923	-----	-----	-----
STONE, CLAY, GLASS, & CONCRETE PROD.					
3211 GLASS AND GLASS PRODUCTS-----	71,993	53,041	-----	18,952	-----
3241 BUILDING CEMENT-----	3,867,432	727,651	955,007	2,172,134	12,640
3251 STRUCTURAL CLAY PRODUCTS-----	36,477	20,744	2,671	13,062	-----
3271 LIME-----	793,022	181	113	792,727	1
3281 CUT STONE AND STONE PRODUCTS-----	16,527	5,732	34	10,761	-----
3291 MISC NONMETALLIC MINERAL PROD-----	296,139	278,996	26	17,109	8
PRIMARY METAL PRODUCTS					
3311 PIG IRON-----	176,345	145	86	176,113	1
3312 SLAG-----	776,595	12,497	105,323	658,775	-----
3314 IRON AND STEEL PRIMARY FORMS-----	1,537,712	270	74	1,535,766	1,602
3315 IRON, STEEL SHAPES, EXC SHEET-----	2,157,001	23,798	504	2,132,699	30
3316 IRON AND STEEL PLATES, SHEETS-----	1,055,597	57,903	77	997,614	3

TABLE 5--DOMESTIC TON-MILES COMMODITY BY TYPE OF TRAFFIC, CALENDAR YEAR 1986--CONTINUED

(IN THOUSANDS)

COMMODITY	TOTAL	COASTWISE	LAKEWISE	INTERNAL	LOCAL
PRIMARY METAL PRODUCTS (CONTINUED)					
3317 IRON AND STEEL PIPE AND TUBE-----	434,216	51,485	-----	381,545	1,186
3318 FERROALLOYS-----	1,382,509	21,172	22	1,381,215	100
3319 IRON AND STEEL PRODUCTS, NEC-----	598,121	73,340	86	324,698	17
3321 NONFERROUS METALS, NEC-----	60,254	40,159	-----	20,095	-----
3322 COPPER ALLOYS, UNWORKED-----	36,481	1,859	-----	34,621	1
3323 LEAD AND ZINC, UNWORKED-----	104,423	913	-----	103,510	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	143,938	9,407	-----	133,971	560
FABRICATED METAL PRODUCTS, EXCEPT ORDNANCE, MACHINERY, & TRANS. EQUIP.					
3411 FABRICATED METAL PRODUCTS-----	817,987	634,984	525	182,252	226
MACHINERY, EXCEPT ELECTRICAL					
3511 MACHINERY, EXCEPT ELECTRICAL-----	632,832	482,186	71	150,475	100
ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES					
3611 ELECTRICAL MACH AND EQUIP-----	87,279	76,599	-----	10,678	2
TRANSPORTATION EQUIPMENT					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	486,555	474,288	3	12,263	1
3721 AIRCRAFT AND PARTS-----	1,527	1,509	-----	18	-----
3731 SHIPS AND BOATS-----	7,716	7,012	-----	704	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	49,356	48,249	2	1,102	3
INSTRUMENTS, PHOTOGRAPHIC & OPTICAL GOODS, WATCHES & CLOCKS					
3811 INSTR, TIME, PHOTO, OPT GOODS-----	34,706	34,706	-----	-----	-----
MISC. PRODUCTS OF MANUFACTURING					
3911 MISC MANUFACTURED PRODUCTS-----	151,310	118,353	143	32,799	15
WASTE & SCRAP MATERIALS					
4011 IRON AND STEEL SCRAP-----	3,347,729	30,205	151	3,312,093	5,280
4012 NONFERROUS METAL SCRAP-----	20,000	3,454	-----	16,546	-----
4022 TEXTILE WASTE, SCRAP, SHEEP-----	967	967	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	3,727	3,727	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	648,076	48,350	2	490,001	109,723
SPECIAL ITEMS					
4111 WATER-----	42,852	833	-----	41,645	374
4112 COMMODITIES, NEC-----	6,532,378	6,501,134	534	29,165	1,545
4113 LCL FREIGHT-----	11	11	-----	-----	-----



TABLE 6--REGULATED TON-MILES COMMODITY BY TYPE OF TRAFFIC, CALENDAR YEAR 1986

(IN THOUSANDS)

COMMODITY	TOTAL	COASTWISE	LAKEWISE	INTERNAL	LOCAL
TOTAL	25,518,254	6,668,067	615,786	18,209,790	24,611
FARM PRODUCTS					
0101 COTTON, RAW	202	202			
0102 BARLEY AND RYE	13,406			13,406	
0103 CORN	305,828	35,188		270,640	
0104 OATS	36,570	138		36,432	
0105 RICE	99,628	79,249		20,379	
0106 SORGHUM GRAINS	47,889	6,473		41,376	
0107 WHEAT	391,606	39,959	82,014	268,610	1,023
0111 SOYBEANS	292,362	307		292,055	
0112 FLAXSEED	187				
0114 OILSEEDS, NEC	15,149	4,631		10,518	
0121 TOBACCO, LEAF	1,784	1,784			
0122 HAY AND FODDER	257	257			
0129 FIELD CROPS, NEC	24,662	195		24,464	3
0131 FRESH FRUITS	8,863	8,856	7		
0132 BANANAS AND PLANTAINS	66				
0133 COFFEE	74,005	74,005			
0134 COCOA BEANS	23,689	23,689			
0141 FRESH AND FROZEN VEGETABLES	120,310	127,971	339		
0151 LIVE ANIMALS	2,135	2,135			
0161 ANIMALS AND PRODUCTS, NEC	4,979	4,979			
0191 MISCELLANEOUS FARM PRODUCTS	564	563	1		
FOREST PRODUCTS					
0841 CRUDE RUBBER AND ALLIED GUMS	120	120			
0861 FOREST PRODUCTS, NEC	2,753	2,753			
FRESH FISH & OTHER MARINE PRODUCTS					
0911 FRESH FISH, EXCEPT SHELLFISH	53,049	53,049			
0912 SHELLFISH, EXCEPT PREPARED	2,915	2,915			
0931 MARINE SHELLS, UNMANUFACTURED	747	747			
METALLIC ORES					
1011 IRON ORE AND CONCENTRATES	2,347,770	28,585	465,131	1,854,044	10
1021 COPPER ORE AND CONCENTRATES	1,425			1,425	
1051 ALUMINUM ORES, CONCENTRATES	26,528			26,528	
1061 MANGANESE ORES, CONCENTRATES	114,078			114,078	
1091 NONFERROUS ORES, CONCENT, NEC	16,569	178		16,391	
COAL					
1121 COAL AND LIGNITE	4,673,508	325,624	25,723	4,321,940	221
CRUDE PETROLEUM					
1311 CRUDE PETROLEUM	114,335	265		113,632	638
NONMETALLIC MINERALS, EXCEPT FUELS					
1411 LIMESTONE	89,147	883	18,928	69,336	
1412 BUILDING STONE, UNWORKED	480	480			
1442 SAND, GRAVEL, CRUSHED ROCK	900,577	1,296	433	898,848	
1451 CLAY	23,376	4,063	6,703	12,610	
1491 SALT	58,860	37,728	561	20,571	
1492 SULPHUR, DRY	335	105		230	
1499 GYPSUM, CRUDE AND PLASTERS	24,632			24,632	
1499 NONMETALLIC MINERALS, NEC	78,689	2,257		76,432	
ORDNANCE & ACCESSORIES					
1911 ORDNANCE AND ACCESSORIES	253	253			
FOOD & KINDRED PRODUCTS					
2011 MEAT, FRESH, CHILLED, FROZEN	117,670	117,655	15		
2012 MEAT AND PRODUCTS, NEC	15,674	15,674			
2014 TALLOW, ANIMAL FATS AND OILS	957	957			
2015 ANIMAL BY-PRODUCTS, NEC	1,814	1,814			
2021 DAIRY PRODUCTS, NEC	15,294	15,030	256		
2022 DRIED MILK AND CREAM	45,140	45,140			
2031 FISH AND SHELLFISH, PREPARED	123,743	123,743			
2034 VEGETABLES AND PREP, NEC	56,510	56,411	99		
2039 PREP FRUIT AND VEG JUICE, NEC	40,863	40,863			
2041 WHEAT FLOUR AND SEMOLINA	12,817	12,817			
2042 ANIMAL FEEDS	107,720	60,856	176	126,888	
2049 GRAIN MILL PRODUCTS, NEC	92,902	71,336		21,646	
2061 SUGAR	342,161	330,540		11,621	
2081 ALCOHOLIC BEVERAGES	98,608	98,608			
2091 VEGETABLE OILS, MARG, SHORT	9,131	9,131			
2092 ANIMAL OILS AND FATS, NEC	137	137			
2094 GROCERIES	20			12	
2095 ICE	2				
2099 MISCELLANEOUS FOOD PRODUCTS	107,541	107,442	99		
TOBACCO PRODUCTS					
2111 TOBACCO MANUFACTURES	5,267	5,267			
BASIC TEXTILES					
2211 BASIC TEXTILE PRODUCTS	32,482	18,311		14,171	
2212 TEXTILE FIBERS, NEC	56	56			

TABLE 6--REGULATED TON-MILES COMMODITY BY TYPE OF TRAFFIC, CALENDAR YEAR 1986--CONTINUED  
(IN THOUSANDS)

COMMODITY	TOTAL	COASTWISE	LAKEWISE	INTERNAL	LOCAL
APPAREL & OTHER FINISHED TEXTILE PRODUCTS, INCLUDING KNIT					
2311 APPAREL-----	79,681	79,681			
LUMBER & WOOD PRODS., EXC. FURNITURE					
2411 LOGS-----	4,925			4,925	
2412 RAFTED LOGS-----	913			913	
2413 FUEL WOOD, CHARCOAL, WASTES-----	91	91			
2414 TIMBER, POSTS, POLES, PILING-----	4,306			4,306	
2415 PULPMOOD, LOG-----	1,710	48	182	1,480	
2416 WOOD CHIPS, STAVES, MOLDINGS-----	60,687			60,686	1
2421 LUMBER-----	617,110	592,278	231	24,601	
2431 VENEER, PLYWOOD, WORKED WOOD-----	75,839	25,138	127	50,574	
2491 WOOD MANUFACTURES, NEC-----	27,899	27,508	391		
FURNITURE & FIXTURES					
2511 FURNITURE AND FIXTURES-----	8,421	8,420	1		
PULP, PAPER & ALLIED PRODUCTS					
2611 PULP-----	44,365	5,149	1,119	38,095	2
2621 STANDARD NEWSPRINT PAPER-----	9,676	6,593	352	2,731	
2631 PAPER AND PAPERBOARD-----	231,918	114,715	6,227	110,976	
2691 PULP AND PAPER PRODUCTS, NEC-----	81,818	34,602		47,216	
PRINTED MATTER					
2711 PRINTED MATTER-----	2,050	2,050			
CHEMICALS & ALLIED PRODUCTS					
2810 SODIUM HYDROXIDE-----	152,180	68,326		83,818	36
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	212,157			209,136	3,021
2812 DYES, PIGMENT, TANNING MATS-----	174	174			
2813 ALCOHOLS-----	651,556	4,907		646,575	74
2816 RADIOACTIVE MATERIALS, WASTES-----	5	5			
2817 BENZENE AND TOLUENE-----	163,866	2,291		161,301	274
2818 SULPHURIC ACID-----	31,362	81		31,215	66
2819 BASIC CHEMICALS AND PROD, NEC-----	1,005,751	160,127	599	839,058	5,167
2821 PLASTIC MATERIALS-----	53,708	53,708			
2822 SYNTHETIC RUBBER-----	1,213	1,072	141		
2823 SYNTHETIC (MAN-MADE) FIBERS-----	103	103			
2831 DRUGS-----	13,734	13,734			
2841 SOAP-----	50,749	50,749			
2851 PAINTS-----	6,946	6,946			
2861 GUM AND WOOD CHEMICALS-----	81,996	81,885	111		
2871 NITROGENOUS CHEM FERTILIZERS-----	91,551	42,275		49,276	
2872 POTASSIUM CHEM FERTILIZERS-----	18,906	18,716	1	279	
2873 PHOSPHATIC CHEM FERTILIZERS-----	15,105	15,100	5		
2876 INSECTICIDES, DISINFECTANTS-----	3,292	3,292			
2879 FERTILIZER AND MATERIALS, NEC-----	201,188	72,703		128,485	
2891 MISCELLANEOUS CHEMICAL PROD-----	47,730	9,922	239	37,569	
PETROLEUM & COAL PRODUCTS					
2911 GASOLINE-----	531,179	96,033	14	432,766	2,366
2912 JET FUEL-----	50,784	6,852		43,912	
2913 KEROSENE-----	4,393	1,023		43,370	
2914 DISTILLATE FUEL OIL-----	112,090	14,174	13	97,201	782
2915 RESIDUAL FUEL OIL-----	681,782	10,786		663,595	7,401
2916 LUBRICATING OILS AND GREASES-----	21,465	20,390		1,065	10
2917 NAPHTHA, PETROLEUM SOLVENTS-----	105,609	71,265		34,300	44
2918 ASPHALT, TAR, AND PITCHES-----	82,428	538	25	81,639	26
2920 COKE, PETROLEUM COKE-----	772,014	24		771,938	52
2921 LIQUEFIED GASES-----	472	314	1	143	14
2951 ASPHALT BUILDING MATERIALS-----	351	351			
2991 PETROLEUM AND COAL PROD, NEC-----	434,962	423,301		11,652	9
RUBBER & MISC. PLASTIC PRODUCTS					
3011 RUBBER AND MISC PLASTIC PROD-----	20,463	19,886	577		
LEATHER & LEATHER PRODUCTS					
3111 LEATHER AND LEATHER PRODUCTS-----	5,969	5,969			
STONE, CLAY, GLASS, & CONCRETE PROD.					
3211 GLASS AND GLASS PRODUCTS-----	22,199	8,214		13,985	
3241 BUILDING CEMENT-----	74,067	294	1,363	72,410	
3251 STRUCTURAL CLAY PRODUCTS-----	12,556	7,490	2,671	2,395	
3271 LIME-----	14,617			14,617	
3281 CUT STONE AND STONE PRODUCTS-----	11,229	1,201	34	9,994	
3291 MISC NONMETALLIC MINERAL PROD-----	19,527	19,503	24		
PRIMARY METAL PRODUCTS					
3311 PIG IRON-----	86,781	3		86,778	
3312 SLAG-----	183,153			183,153	
3314 IRON AND STEEL PRIMARY FORMS-----	632,507		74	630,990	1,443
3315 IRON, STEEL SHAPES, EXC SHEET-----	655,187	10,250	204	644,703	30
3316 IRON AND STEEL PLATES, SHEETS-----	686,093	22,622	77	663,391	3
3317 IRON AND STEEL PIPE AND TUBE-----	140,049	2,027		138,093	1,029
3318 FERROALLOYS-----	709,851	21,172	22	688,557	100
3319 IRON AND STEEL PRODUCTS, NEC-----	233,965	389		233,559	17
3321 NONFERROUS METALS, NEC-----	3,231	2,048		1,183	
3322 COPPER ALLOYS, UNWORKED-----	33,932	1,073		32,858	1

TABLE 6--REGULATED TON-MILES COMMODITY BY TYPE OF TRAFFIC, CALENDAR YEAR 1986--CONTINUED

(IN THOUSANDS)

COMMODITY	TOTAL	COASTWISE	LAKEWISE	INTERNAL	LOCAL
PRIMARY METAL PRODUCTS (CONTINUED)					
3323 LEAD AND ZINC, UNWORKED-----	47,980	46	-----	47,934	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	68,158	4,770	-----	62,828	560
FABRICATED METAL PRODUCTS, EXCEPT ORDNANCE, MACHINERY, & TRANS. EQUIP.					
3411 FABRICATED METAL PRODUCTS-----	132,659	90,397	13	42,249	-----
MACHINERY, EXCEPT ELECTRICAL					
3511 MACHINERY, EXCEPT ELECTRICAL-----	63,963	22,069	27	41,659	8
ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES					
3611 ELECTRICAL MACH AND EQUIP-----	17,841	16,983	-----	858	-----
TRANSPORTATION EQUIPMENT					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	35,137	28,153	-----	6,984	-----
3721 AIRCRAFT AND PARTS-----	1,355	1,337	-----	18	-----
3731 SHIPS AND BOATS-----	289	289	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	1,472	1,468	2	2	-----
INSTRUMENTS, PHOTOGRAPHIC & OPTICAL GOODS, WATCHES & CLOCKS					
3811 INSTR, TIME, PHOTO, OPT GOODS-----	2,046	2,046	-----	-----	-----
MISC. PRODUCTS OF MANUFACTURING					
3911 MISC MANUFACTURED PRODUCTS-----	30,869	30,095	143	631	-----
WASTE & SCRAP MATERIALS					
4011 IRON AND STEEL SCRAP-----	961,412	4,066	37	957,133	176
4012 NONFERROUS METAL SCRAP-----	4,983	3,454	-----	1,529	-----
4022 TEXTILE WASTE, SCRAP, SHEEP-----	444	444	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	3,547	3,547	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	9,331	-----	2	9,246	83
SPECIAL ITEMS					
4111 WATER-----	541	-----	-----	541	-----
4112 COMMODITIES, NEC-----	2,189,735	2,185,391	242	4,101	1

## WATER CARRIAGE TON-MILES

103

TABLE 7--EXEMPT, FOR HIRE TON-MILES COMMODITY BY TYPE OF TRAFFIC, CALENDAR YEAR 1986

(IN THOUSANDS)

COMMODITY	TOTAL	COASTWISE	LAKEWISE	INTERNAL	LOCAL
TOTAL-----	621,755,740	377,421,848	34,742,963	208,676,996	913,033
FARM PRODUCTS					
0101 COTTON, RAW-----	2,328	69	-----	2,259	-----
0102 BARLEY AND RYE-----	147,737	-----	-----	147,737	-----
0103 CORN-----	23,603,597	239,795	-----	23,361,917	1,885
0104 OATS-----	211,444	8,679	-----	202,765	-----
0105 RICE-----	618,419	402,236	-----	416,183	-----
0106 SORGHUM GRAINS-----	1,543,744	818	-----	1,542,926	-----
0107 WHEAT-----	7,076,453	261,328	514,544	6,299,865	716
0111 SOYBEANS-----	17,507,990	48	-----	17,505,674	2,268
0119 OILSEEDS, NEC-----	11,867	1,919	-----	9,946	-----
0121 TOBACCO, LEAF-----	152	152	-----	-----	-----
0122 HAY AND FODDER-----	5,422	783	-----	4,639	-----
0129 FIELD CROPS, NEC-----	2,529	125	-----	2,404	-----
0131 FRESH FRUITS-----	313,515	313,515	-----	-----	-----
0132 BANANAS AND PLANTAINS-----	15,278	15,278	-----	-----	-----
0133 COFFEE-----	5,886	5,886	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	283,536	279,153	-----	4,383	-----
0151 LIVE ANIMALS-----	11,931	11,931	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	48,681	5,959	-----	42,722	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	61,529	61,529	-----	-----	-----
FOREST PRODUCTS					
0841 CRUDE RUBBER AND ALLIED GUMS-----	4,500	1,503	-----	2,997	-----
0861 FOREST PRODUCTS, NEC-----	18,725	18,725	-----	-----	-----
FRESH FISH & OTHER MARINE PRODUCTS					
0911 FRESH FISH, EXCEPT SHELLFISH-----	3,633	2,361	4	1,266	2
0912 SHELLFISH, EXCEPT PREPARED-----	23,708	12,870	-----	10,830	-----
0931 MARINE SMELLS, UNMANUFACTURED-----	92,622	-----	-----	92,622	-----
METALLIC ORES					
1011 IRON ORE AND CONCENTRATES-----	19,996,838	-----	19,284,135	712,703	-----
1021 COPPER ORE AND CONCENTRATES-----	78,184	-----	-----	76,815	1,369
1051 ALUMINUM ORES, CONCENTRATES-----	258,334	-----	-----	258,334	-----
1061 MANGANESE ORES, CONCENTRATES-----	96,155	-----	-----	96,155	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	527,778	4,522	-----	523,247	9
COAL					
1121 COAL AND LIGNITE-----	82,011,750	4,891,566	9,380,491	67,689,676	49,817
CRUDE PETROLEUM					
1311 CRUDE PETROLEUM-----	271,536,188	266,392,025	-----	5,088,636	55,527
NONMETALLIC MINERALS, EXCEPT FUELS					
1411 LIMESTONE-----	5,088,307	142	4,337,081	750,384	700
1412 BUILDING STONE, UNWORKED-----	55	55	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	3,477,100	165,452	186,935	3,052,730	72,003
1451 CLAY-----	172,195	2,035	-----	168,964	1,196
1471 PHOSPHATE ROCK-----	4,120,870	4,098,244	-----	22,626	-----
1479 NATURAL FERTILIZER MATS, NEC-----	8,848	-----	-----	8,848	-----
1491 SALT-----	5,902,032	132,337	151,173	5,618,522	-----
1492 SULPHUR, DRY-----	19,020	17,671	-----	1,349	-----
1493 SULPHUR, LIQUID-----	1,845,817	1,651,175	-----	191,280	3,362
1494 GYPSUM, CRUDE AND PLASTERS-----	572,327	17,564	342,771	210,684	1,308
1499 NONMETALLIC MINERALS, NEC-----	434,567	19,107	2	413,548	1,910
ORDNANCE & ACCESSORIES					
1911 ORDNANCE AND ACCESSORIES-----	798	105	-----	693	-----
FOOD & KINDRED PRODUCTS					
2011 MEAT, FRESH, CHILLED, FROZEN-----	371,445	371,445	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	9,049	9,049	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	172,077	21,064	-----	151,013	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	5,361	2,181	-----	3,180	-----
2021 DAIRY PRODUCTS, NEC-----	55,688	55,688	-----	-----	-----
2022 DRIED MILK AND CREAM-----	535	535	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	141,780	141,780	-----	4	-----
2034 VEGETABLES AND PREP, NEC-----	238,907	238,680	-----	4,227	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	678,430	677,407	-----	1,023	-----
2041 WHEAT FLOUR AND SEMOLINA-----	49,942	27,551	-----	22,391	-----
2042 ANIMAL FEEDS-----	7,584,492	196,747	-----	7,384,649	3,056
2049 GRAIN MILL PRODUCTS, NEC-----	4,684,784	73,974	-----	4,610,810	-----
2061 SUGAR-----	599,585	379,441	-----	220,144	-----
2062 MOLASSES-----	866,477	476,558	-----	391,508	411
2081 ALCOHOLIC BEVERAGES-----	408,457	406,985	-----	1,470	2
2091 VEGETABLE OILS, MARG, SHORT-----	839,500	120,540	-----	718,308	652
2092 ANIMAL OILS AND FATS, NEC-----	7,218	-----	-----	7,218	-----
2094 GROCERIES-----	719,787	719,671	-----	114	5
2095 ICE-----	1,784	-----	-----	1,779	2
2099 MISCELLANEOUS FOOD PRODUCTS-----	1,353,138	1,336,511	-----	16,583	44
TOBACCO PRODUCTS					
2111 TOBACCO MANUFACTURES-----	13,634	13,634	-----	-----	-----

TABLE 7--EXEMPT, FOR HIRE TON-MILES COMMODITY BY TYPE OF TRAFFIC, CALENDAR YEAR 1986--CONTINUED

(IN THOUSANDS)					
COMMODITY	TOTAL	COASTWISE	LAKEWISE	INTERNAL	LOCAL
BASIC TEXTILES					
2211 BASIC TEXTILE PRODUCTS-----	38,996	32,682	-----	6,314	-----
2212 TEXTILE FIBERS, NEC-----	6,384	1,262	-----	5,122	-----
APPAREL & OTHER FINISHED TEXTILE PRODUCTS, INCLUDING KNIT					
2311 APPAREL-----	25,557	25,557	-----	-----	-----
LUMBER & WOOD PRODS., EXC. FURNITURE					
2411 LOGS-----	41,824	7,532	1	34,291	-----
2412 RAFTED LOGS-----	428,118	-----	-----	332,396	95,722
2413 FUEL WOOD, CHARCOAL, WASTES-----	30,403	20,735	-----	9,668	-----
2414 TIMBER, POSTS, POLES, PILING-----	36,654	34,143	-----	2,508	3
2415 PULPHOOD, LOG-----	37,804	5,955	-----	31,849	-----
2416 WOOD CHIPS, STAVES, MOLDINGS-----	390,110	-----	-----	387,650	2,460
2421 LUMBER-----	680,526	667,196	-----	13,326	4
2431 VENEER, PLYWOOD, WORKED WOOD-----	141,643	110,121	-----	31,522	-----
2491 WOOD MANUFACTURES, NEC-----	196,677	196,477	1	197	2
FURNITURE & FIXTURES					
2511 FURNITURE AND FIXTURES-----	258,792	258,759	-----	33	-----
PULP, PAPER & ALLIED PRODUCTS					
2611 PULP-----	92,775	61,298	-----	31,477	-----
2621 STANDARD NEWSPRINT PAPER-----	94,601	23,329	-----	71,272	-----
2631 PAPER AND PAPERBOARD-----	209,008	103,147	-----	105,861	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	444,257	411,929	-----	32,298	30
PRINTED MATTER					
2711 PRINTED MATTER-----	34,015	34,015	-----	-----	-----
CHEMICALS & ALLIED PRODUCTS					
2810 SODIUM HYDROXIDE-----	2,390,590	1,438,071	4,563	945,894	2,062
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	695,461	59,496	-----	634,346	1,619
2812 DYES, PIGMENT, TANNING MATS-----	4,117	4,117	-----	-----	-----
2813 ALCOHOLS-----	2,795,955	888,614	-----	1,902,700	4,641
2816 RADIOACTIVE MATERIALS, WASTES-----	1,998	1,998	-----	-----	-----
2817 BENZENE AND TOLUENE-----	1,121,826	316,043	18	787,453	16,312
2818 SULPHURIC ACID-----	61,469	4,433	-----	56,478	558
2819 BASIC CHEMICALS AND PROD, NEC-----	15,144,879	5,757,976	22,168	9,355,350	9,385
2821 PLASTIC MATERIALS-----	53,373	40,071	-----	13,302	-----
2822 SYNTHETIC RUBBER-----	13,575	326	-----	13,249	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	1,467	1,467	-----	-----	-----
2831 DRUGS-----	15,166	15,166	-----	-----	-----
2841 SOAP-----	91,371	89,412	-----	1,959	-----
2851 PAINTS-----	36,561	36,557	-----	4	-----
2861 GUM AND WOOD CHEMICALS-----	384,402	370,950	-----	12,574	878
2871 NITROGENOUS CHEM FERTILIZERS-----	5,190,343	857,006	10,833	4,321,058	1,446
2872 POTASSIC CHEM FERTILIZERS-----	1,063,000	75,136	93	987,376	395
2873 PHOSPHATIC CHEM FERTILIZERS-----	609,819	46,661	-----	563,137	21
2876 INSECTICIDES, DISINFECTANTS-----	7,481	7,405	-----	76	-----
2879 FERTILIZER AND MATERIALS, NEC-----	4,674,402	144,131	-----	4,529,760	511
2891 MISCELLANEOUS CHEMICAL PROD-----	239,555	67,268	-----	172,257	30
PETROLEUM & COAL PRODUCTS					
2911 GASOLINE-----	27,473,871	21,621,918	84,107	5,628,561	139,285
2912 JET FUEL-----	5,935,014	4,600,389	48,962	1,280,515	5,148
2913 KEROSENE-----	638,263	448,620	941	183,046	5,656
2914 DISTILLATE FUEL OIL-----	23,398,400	20,454,722	34,399	2,746,991	162,288
2915 RESIDUAL FUEL OIL-----	29,014,014	22,408,800	60,310	6,356,686	188,218
2916 LUBRICATING OILS AND GREASES-----	3,802,446	2,063,762	365	1,735,696	2,623
2917 NAPHTHA, PETROLEUM SOLVENTS-----	1,551,439	433,088	453	1,110,728	7,170
2918 ASPHALT, TAR, AND PITCHES-----	4,756,220	1,683,133	128,790	2,936,756	7,541
2920 COKE, PETROLEUM COKE-----	3,304,949	95	60,088	3,214,038	30,728
2921 LIQUEFIED GASES-----	103,465	7,123	7	95,562	773
2951 ASPHALT BUILDING MATERIALS-----	9,455	9,455	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	532,817	333,415	-----	193,564	5,838
RUBBER & MISC. PLASTIC PRODUCTS					
3011 RUBBER AND MISC PLASTIC PROD-----	135,782	135,642	-----	140	-----
LEATHER & LEATHER PRODUCTS					
3111 LEATHER AND LEATHER PRODUCTS-----	14,954	14,954	-----	-----	-----
STONE, CLAY, GLASS, & CONCRETE PROD.					
3211 GLASS AND GLASS PRODUCTS-----	49,794	48,827	-----	4,967	-----
3241 BUILDING CEMENT-----	1,692,054	89,564	62,372	1,531,862	8,236
3251 STRUCTURAL CLAY PRODUCTS-----	23,921	13,254	-----	10,667	-----
3271 LIME-----	694,496	181	113	694,202	-----
3281 CUT STONE AND STONE PRODUCTS-----	5,298	4,531	-----	767	-----
3291 MISC NONMETALLIC MINERAL PROD-----	265,256	259,493	2	5,753	8
PRIMARY METAL PRODUCTS					
3311 PIG IRON-----	89,563	142	86	89,335	-----
3312 SLAG-----	513,943	12,497	25,824	475,622	-----
3314 IRON AND STEEL PRIMARY FORMS-----	905,205	270	-----	904,774	159
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,501,546	13,203	300	1,487,965	-----
3316 IRON AND STEEL PLATES, SHEETS-----	369,504	35,281	-----	334,223	-----

TABLE 7--EXEMPT, FOR HIRE TON-MILES COMMODITY BY TYPE OF TRAFFIC, CALENDAR YEAR 1966--CONTINUED

(IN THOUSANDS)

COMMODITY	TOTAL	COASTWISE	LAKEWISE	INTERNAL	LOCAL
PRIMARY METAL PRODUCTS (CONTINUED)					
3317 IRON AND STEEL PIPE AND TUBE-----	275,935	49,457	-----	226,456	22
3318 FERROALLOYS-----	669,192	-----	-----	669,192	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	164,155	72,951	66	91,138	-----
3321 NONFERROUS METALS, NEC-----	57,023	30,111	-----	18,912	-----
3322 COPPER ALLOYS, UNWORKED-----	2,549	786	-----	1,763	-----
3323 LEAD AND ZINC, UNWORKED-----	56,443	867	-----	55,576	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	75,780	4,637	-----	71,143	-----
FABRICATED METAL PRODUCTS, EXCEPT ORDNANCE, MACHINERY, & TRANS. EQUIP.					
3411 FABRICATED METAL PRODUCTS-----	684,454	544,393	512	139,331	218
MACHINERY, EXCEPT ELECTRICAL					
3511 MACHINERY, EXCEPT ELECTRICAL-----	550,919	454,435	44	96,362	78
ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES					
3611 ELECTRICAL MACH AND EQUIP-----	69,423	59,613	-----	9,810	-----
TRANSPORTATION EQUIPMENT					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	451,401	446,135	3	5,263	-----
3721 AIRCRAFT AND PARTS-----	172	172	-----	-----	-----
3731 SHIPS AND BOATS-----	7,178	6,477	-----	701	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	47,825	46,781	-----	1,044	-----
INSTRUMENTS, PHOTOGRAPHIC & OPTICAL GOODS, WATCHES & CLOCKS					
3811 INSTR, TIME, PHOTO, OPT GOODS-----	32,660	32,660	-----	-----	-----
MISC. PRODUCTS OF MANUFACTURING					
3911 MISC MANUFACTURED PRODUCTS-----	102,011	87,424	-----	14,586	1
WASTE & SCRAP MATERIALS					
4011 IRON AND STEEL SCRAP-----	2,377,864	24,485	114	2,351,152	2,113
4012 NONFERROUS METAL SCRAP-----	15,017	-----	-----	15,017	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	523	523	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	180	180	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	428,821	32,019	-----	385,145	11,657
SPECIAL ITEMS					
4111 WATER-----	15,186	786	-----	14,064	336
4112 COMMODITIES, NEC-----	4,337,950	4,311,974	292	24,170	1,514
4113 LCL FREIGHT-----	11	11	-----	-----	-----

TABLE 8--PRIVATE CARRIAGE TON-MILES COMMODITY BY TYPE OF TRAFFIC, CALENDAR YEAR 1986  
(IN THOUSANDS)

COMMODITY	TOTAL	COASTWISE	LAKEWISE	INTERNAL	LOCAL
TOTAL	226,127,046	196,796,760	7,839,438	21,230,116	258,732
FARM PRODUCTS					
0102 BARLEY AND RYE	534			534	
0103 CORN	410,644			410,644	
0104 OATS	3,211			3,211	
0105 RICE	65,564			65,564	
0106 SORGHUM GRAINS	181,941			181,941	
0107 WHEAT	487,379		151,154	336,006	219
0111 SOYBEANS	961,160			961,160	
FRESH FISH & OTHER MARINE PRODUCTS					
0911 FRESH FISH, EXCEPT SHELLFISH	9,026	8		9,012	6
0912 SHELLFISH, EXCEPT PREPARED	14,136			14,131	5
0913 MENHADEN	447			447	
0931 MARINE SHELLS, UNMANUFACTURED	559,233			558,351	882
METALLIC ORES					
1011 IRON ORE AND CONCENTRATES	5,164,663		5,148,996	15,667	
1051 ALUMINUM ORES, CONCENTRATES	818			818	
1091 NONFERROUS ORES, CONCENT, NEC	2,384			2,384	
COAL					
1121 COAL AND LIGNITE	1,077,335	201,779	258,362	611,101	6,093
CRUDE PETROLEUM					
1311 CRUDE PETROLEUM	141,975,358	140,988,710		973,151	13,497
NONMETALLIC MINERALS, EXCEPT FUELS					
1411 LIMESTONE	997,064		878,979	118,725	1,360
1442 SAND, GRAVEL, CRUSHED ROCK	2,894,259	1,044		2,845,710	47,505
1451 CLAY	11,159			10,556	603
1471 PHOSPHATE ROCK	1,019,920	1,011,236		8,684	
1491 SALT	269,646	75	212,877	56,694	
1492 SULPHUR, DRY	1			1	
1493 SULPHUR, LIQUID	619,672	513,064		105,850	758
1494 GYPSUM, CRUDE AND PLASTERS	22,635			22,635	
1499 NONMETALLIC MINERALS, NEC	18,893			18,649	244
FOOD & KINDRED PRODUCTS					
2011 MEAT, FRESH, CHILLED, FROZEN	56	56			
2014 TALLOW, ANIMAL FATS AND OILS	7,892			7,892	
2031 FISH AND SHELLFISH, PREPARED	2,913		2,913		
2039 PREP FRUIT AND VEG JUICE, NEC	80	80			
2042 ANIMAL FEEDS	86,948			86,948	
2049 GRAIN MILL PRODUCTS, NEC	507,108			507,108	
2061 SUGAR	2,410,374	2,410,374			
2062 MOLASSES	40,044			40,044	
2091 VEGETABLE OILS, MARG, SHORT	104,855			104,811	44
2092 ANIMAL OILS AND FATS, NEC	383				383
2094 GROCERIES	206	206			
2095 ICE	859			859	
2099 MISCELLANEOUS FOOD PRODUCTS	8,043	2		7,981	60
LUMBER & WOOD PROD., EXC. FURNITURE					
2411 LOGS	51,216			51,214	2
2412 RAFTED LOGS	13,062			13,062	
2413 FUEL WOOD, CHARCOAL, WASTES	5,808			5,808	
2414 TIMBER, POSTS, POLES, PILING	710			702	8
2415 PULPMOOD, LOG	485,037			485,037	
2416 WOOD CHIPS, STAVES, HOLDINGS	54,408			54,408	
2421 LUMBER	162			160	2
2491 WOOD MANUFACTURES, NEC	168			166	2
FURNITURE & FIXTURES					
2511 FURNITURE AND FIXTURES	1				1
PULP, PAPER & ALLIED PRODUCTS					
2691 PULP AND PAPER PRODUCTS, NEC	108	101		1	6
CHEMICALS & ALLIED PRODUCTS					
2810 SODIUM HYDROXIDE	1,631,273	35,860		1,594,310	1,103
2811 CRUDE TAR, OIL, GAS PRODUCTS	111,735	21,573		90,162	
2813 ALCOHOLS	595,847	195,003		398,854	1,990
2817 BENZENE AND TOLUENE	407,366	226,812	18,649	157,883	4,024
2818 SULPHURIC ACID	243,182	25,508		218,604	3,070
2819 BASIC CHEMICALS AND PROD, NEC	2,912,381	628,152		2,280,320	3,909
2871 NITROGENOUS CHEM FERTILIZERS	263,434			263,434	
2872 POTASSIC CHEM FERTILIZERS	16,462	15,444		1,018	
2873 PHOSPHATIC CHEM FERTILIZERS	214,900	182,645		32,222	13
2879 FERTILIZER AND MATERIALS, NEC	712,562	599,584		112,978	
2891 MISCELLANEOUS CHEMICAL PROD	705,655	585,006		120,648	1
PETROLEUM & COAL PRODUCTS					
2911 GASOLINE	13,083,617	10,440,615	136,317	2,473,864	32,821
2912 JET FUEL	2,495,337	2,111,112		384,067	158
2913 KEROSENE	1,070,395	1,035,979		33,702	714

TABLE 8--PRIVATE CARRIAGE TON-MILES COMMODITY BY TYPE OF TRAFFIC, CALENDAR YEAR 1986--CONTINUED  
(IN THOUSANDS)

COMMODITY	TOTAL	COASTWISE	LAKEWISE	INTERNAL	LOCAL
PETROLEUM & COAL PRODUCTS (CONTINUED)					
2914 DISTILLATE FUEL OIL-----	15,049,359	13,833,231	58,738	1,136,756	24,654
2915 RESIDUAL FUEL OIL-----	16,028,699	15,118,778	97	904,551	5,273
2916 LUBRICATING OILS AND GREASES-----	4,185,987	3,684,874	605	480,004	486
2917 NAPHTHA, PETROLEUM SOLVENTS-----	2,389,977	1,939,877	66	446,951	2,209
2918 ASPHALT, TAR, AND PITCHES-----	298,586	52,188	902	244,617	879
2920 COKE, PETROLEUM COKE-----	4,419	-----	4,018	401	-----
2921 LIQUEFIED GASES-----	506,951	187,444	-----	319,390	117
2991 PETROLEUM AND COAL PROD, NEC-----	86,453	85,501	-----	944	8
RUBBER & MISC. PLASTIC PRODUCTS					
3011 RUBBER AND MISC PLASTIC PROD-----	6	-----	-----	6	-----
STONE, CLAY, GLASS, & CONCRETE PROD.					
3241 BUILDING CEMENT-----	2,101,331	637,793	891,272	567,862	4,404
3271 LIME-----	83,909	-----	-----	83,908	1
3291 MISC NONMETALLIC MINERAL PROD-----	11,356	-----	-----	11,356	-----
PRIMARY METAL PRODUCTS					
3311 PIG IRON-----	1	-----	-----	-----	1
3312 SLAG-----	79,499	-----	79,499	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	266	265	-----	1	-----
3317 IRON AND STEEL PIPE AND TUBE-----	18,232	1	-----	18,096	135
3318 FERROALLOYS-----	3,466	-----	-----	3,466	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	1	-----	-----	1	-----
FABRICATED METAL PRODUCTS, EXCEPT ORDNANCE, MACHINERY, & TRANS. EQUIP.					
3411 FABRICATED METAL PRODUCTS-----	874	194	-----	672	8
MACHINERY, EXCEPT ELECTRICAL					
3511 MACHINERY, EXCEPT ELECTRICAL-----	17,950	5,682	-----	12,254	14
ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES					
3611 ELECTRICAL MACH AND EQUIP-----	15	3	-----	10	2
TRANSPORTATION EQUIPMENT					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	17	-----	-----	16	1
3731 SHIPS AND BOATS-----	249	246	-----	3	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	59	-----	-----	56	3
MISC. PRODUCTS OF MANUFACTURING					
3911 MISC MANUFACTURED PRODUCTS-----	18,430	834	-----	17,582	14
WASTE & SCRAP MATERIALS					
4011 IRON AND STEEL SCRAP-----	8,453	1,654	-----	3,808	2,991
4029 WASTE AND SCRAP, NEC-----	209,924	16,331	-----	95,610	97,983
SPECIAL ITEMS					
4111 WATER-----	27,125	47	-----	27,040	38
4112 COMMODITIES, NEC-----	4,693	3,769	-----	894	30